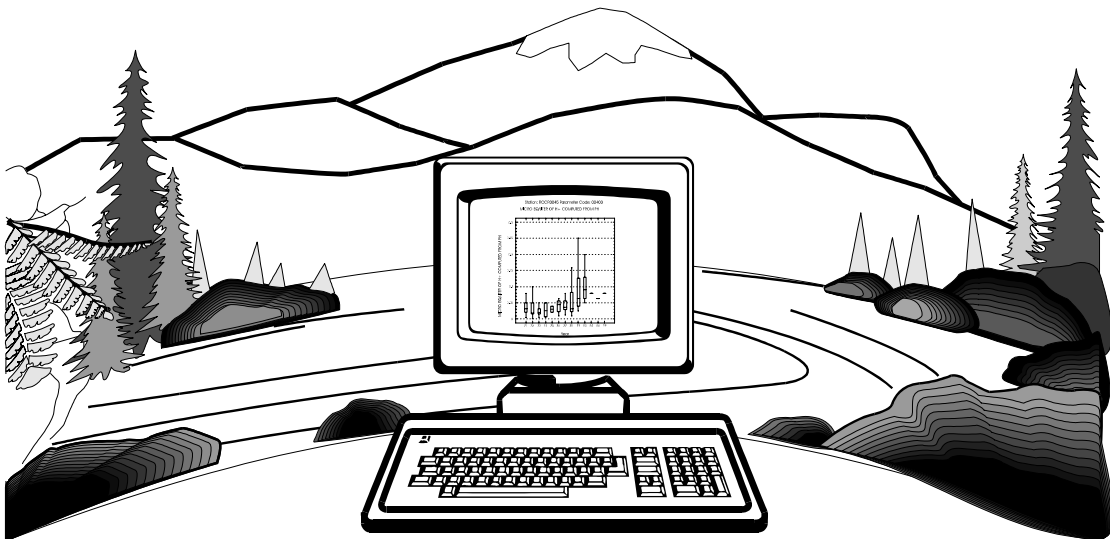
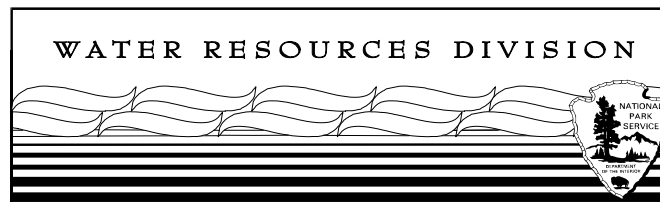

BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

Big Thicket National Preserve



WATER RESOURCES DIVISION AND SERVICEWIDE INVENTORY AND MONITORING PROGRAM



*National Park Service - Department of the Interior
Fort Collins - Denver - Washington*

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BASELINE WATER QUALITY DATA
INVENTORY AND ANALYSIS
BIG THICKET NATIONAL PRESERVE

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-95/39

JANUARY 1995

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Big Thicket National Preserve (BITH) from five of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); and (5) Flow Gages (GAGES). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing annual and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the BITH study area from the IFD, DRINKS, and GAGES databases located 15 industrial dischargers, three drinking water intakes, five active or inactive United States Geological Survey (USGS) gaging stations, and 4 active or inactive United States National Weather Service gaging stations. The results of the STORET retrieval for the study area yielded 40,043 observations for 493 separate parameters collected by one state (Texas Water Commission) and two federal (USGS and EPA) government agencies at 41 monitoring stations. Of the 41 monitoring stations, one station monitored for periphyton and 23 stations monitored bottom deposits. Of the 23 bottom deposit stations, 18 also analyzed for toxics. Seventeen stations yielded data collected within the park boundary. Most of the sampling stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Nine stations within the study area yielded long-term records consisting of multiple observations for several important water quality parameters. Two stations yielding long-term records within the park are: (1) Neches River at Evadale, Texas (BITH 0033) and (2) Neches River at US 96 East of Silsbee (BITH 0034)[†]. Seven stations yielding long-term records within the study area, but outside of the park boundary are: (1) Pine Island Bayou at SH 105 (BITH 0001); (2) 9310702 Sabine-Neches ES Line 107 Site 02 (BITH 0005); (3) Pine Island Bayou at US 69/US 96/US 287 at Voth (BITH 0015); (4) Menard Creek NR Rye, Texas (BITH 0036); (5) Neches River at FM 1013 East of Spurger (BITH 0037); (6) Neches R. at FM 1013 E. of Spurger (BITH 0038); and (7) B. A. Steinhagen Reservoir near Dam (BITH 0041)[†].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the BITH water quality criteria screen found 15 parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chloride, cadmium, copper, lead, silver, zinc, and mercury exceeded their respective EPA acute or chronic criteria for the protection of freshwater aquatic life. Sulfate, cadmium, chromium, lead, nickel, silver, and mercury exceeded their respective EPA drinking water criteria. Indicator bacteria (total and fecal coliform) concentrations and turbidity exceeded the WRD screening limits for primary-body contact recreation and aquatic life, respectively.

[†]Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

Dissolved oxygen concentrations were measured 1,321 times at 18 monitoring stations from 1968 through 1993. One-hundred-twenty observations were below the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life in Pine Island Bayou (BITH 0001, BITH 0015, BITH 0016, BITH 0020, BITH 0021, BITH 0022, and BITH 0023), Sabine-Neches Estuary (BITH 0005), Boggy Creek (BITH 0030), and B. A. Steinhagen Reservoir (BITH 0041). Of the 120 observations that exceeded the criterion, 78 percent were recorded during the summer and early fall (June 1 through October 31).

The pH was measured 2,140 times at 20 monitoring stations throughout the study area from 1959 through 1993. Of the 1,836 pH observations used in the criteria analysis (see the Composite Type Screen in Methodology for explanation), 452 observations at 11 monitoring stations were outside the pH range of 6.5 to 9.0 standard units (EPA chronic criteria for freshwater aquatic life). All observations were less than or equal to pH 6.5 and 61 percent occurred during the hydrologic season from November 1 to May 31.

Turbidity was measured 548 times at seven monitoring stations from 1968 through 1993. The WRD screening criterion of 50 JTU/FTU/NTU was exceeded 223 times at six of the seven stations. The six stations exceeding this criterion are located in the Sabine-Neches Estuary (BITH 0005), Pine Island Bayou at US 69, 96 and 287 (BITH 0015), and the Neches River (BITH 0033, BITH 0034, BITH 0037, BITH 0038).

Total coliform concentrations were determined 64 times at six monitoring stations from 1972 through 1983. Twenty-two observations at three stations exceeded the 1,000 CFU/MPN per 100 ml criterion. The criterion was exceeded in Pine Island Bayou at US 69, 96 and 287 (BITH 0015) and the Neches River (BITH 0033, BITH 0034). About 68 percent of the values that exceeded the criterion occurred at one station in the Neches River at Evadale (BITH 0033). Fecal coliform concentrations were determined 487 times at 11 stations from 1972 through 1993. Of the 486 fecal coliform observations used in the criteria analysis (see the EPA Water Quality Criteria Analysis for Station in the Interpretive Guide to Water Quality Results for explanation), 83 observations in Pine Island Bayou (BITH 0001, BITH 0015), the Neches River (BITH 0033, BITH 0034, BITH 0037, BITH 0038), and the B. A. Steinhagen Reservoir (BITH 0041) exceeded the 200 MPN/CFU per 100 ml criterion. About 58 percent of the values that exceeded the criterion were split between two stations, Pine Island Bayou at US 69, 96, and 287 (BITH 0015) and the Neches River at US 96 east of Silsbee (BITH 0034). Seventy-five percent of the exceeded values occurred from November 1 to May 31.

Sulfate concentrations (total as SO₄) were measured 1,217 times at 15 monitoring stations from 1959 through 1993. Of the 913 sulfate observations used in the criteria analysis (see the Composite Type Screen in the Methodology for explanation), the proposed drinking water criterion of 400 mg/L was exceeded twice, in the Sabine-Neches Estuary (BITH 0005), on January 3, 1969 (1,100 mg/L) and July 28, 1970 (1,070 mg/L).

Chloride concentrations (including dissolved and total) were measured 1,291 times at 15 monitoring stations from 1959 through 1993. Of the 987 chloride observations used in the criteria analysis (see the Composite Type Screen in the Methodology for explanation), four total chloride observations exceeded the acute freshwater criterion of 860 mg/L in the Sabine-Neches Estuary (BITH 0005). Three of the observations exceeding the criterion occurred on January 3, 1969 (922, 1,280, and 7,900 mg/L); while the fourth observation occurred on July 28, 1970 (6,800 mg/L).

Cadmium concentrations (including dissolved, suspended, and total) were measured 221 times at 15 monitoring stations from 1970 through 1991. Of the 158 cadmium observations used in the criteria analysis (see the EPA Water Quality Criteria Analysis for Station in the Interpretive Guide to Water Quality Results for explanation), cadmium concentrations exceeded both the acute freshwater criterion of 3.9 µg/L and the drinking water criterion of 5.0 µg/L, nine times at six monitoring stations. The observations exceeding the criteria occurred at Pine Island Bayou Station 18 (BITH 0008) and in the Neches River (BITH 0009, BITH 0033, BITH 0034, BITH 0037, BITH 0038).

Chromium concentrations (including dissolved, suspended, hexavalent, and total) were measured 223 times at 15 monitoring stations from 1970 through 1991. One total concentration of 100 µg/L exceeded the drinking water criterion of 100 µg/L in the Neches River at US 96 East of Silsbee (BITH 0034) on June 6, 1974.

Copper concentrations (including dissolved, suspended, and total) were measured 180 times at 15 monitoring stations from 1966 through 1991. Of the observations used in the criteria analysis (see the EPA Water Quality Criteria Analysis for Station in the Interpretive Guide to Water Quality Results and the Composite Type Screen in the Methodology for explanation), four total copper observations exceeded the acute freshwater criterion of 18 µg/L at Pine Island Bayou Station 18 (BITH 0008) and the Neches River (BITH 0009, BITH 0034).

Lead concentrations (including dissolved, suspended, and total) were measured 225 times at 15 monitoring stations from 1966 through 1991. Of the observations used in the criteria analysis (see the EPA Water Quality Criteria Analysis for Station in the Interpretive Guide to Water Quality Results and the Composite Type Screen in the Methodology for explanation), the drinking water criterion of 5 µg/L and the acute freshwater criterion of 82 µg/L were exceeded 32 and three times, respectively, in Pine Island Bayou (BITH 0008) and the Neches River (BITH 0009, BITH 0033, BITH 0034, BITH 0037, BITH 0037, BITH 0041). About 63 percent of the observations exceeding criteria occurred at the station in the Neches River at Evadale (BITH 0033).

Nickel concentrations (including dissolved, suspended, and total) were measured 160 times at 15 monitoring stations from 1966 through 1993. Of the 159 observations used in the criteria analysis (see the Composite Type Screen in the Methodology for explanation), one total nickel concentration of 100 µg/L in the Neches River at US 96 east of Silsbee (BITH 0034) exceeded the proposed drinking water criterion of 100 µg/L on June 20, 1974.

Silver concentrations (including dissolved, suspended, and total) were measured 154 times at 14 monitoring stations from 1974 through 1993. Of the observations used in the criteria analysis (see the EPA Water Quality Criteria Analysis for Station in the Interpretive Guide to Water Quality Results and the Remark Code Screen in the Methodology for explanation), one total silver concentration of 50 µg/L in the Neches River at US 96 east of Silsbee (BITH 0034) exceeded both the acute freshwater criterion of 4.1 µg/L and the drinking water criterion of 50 µg/L on June 20, 1974.

Zinc concentrations (including dissolved, suspended, and total) were measured 226 times at 15 monitoring stations from 1966 through 1991. Of the 223 observations used in the criteria analysis (see the Composite Type Screen in the Methodology for explanation), nine observations (four dissolved and five total concentrations) exceeded the acute freshwater criterion of 120 µg/L in the Sabine-Neches Estuary (BITH 0005), the Neches River at Evadale (BITH 0033), and the Neches River at US 96 east of Silsbee (BITH 0034).

Mercury concentrations (including dissolved, suspended, and total) were measured 218 times at 15 monitoring stations from 1970 through 1991. Of the 216 mercury observations used in the criteria analysis (see the Remark Code Screen in the Methodology for explanation), six observations (two dissolved and four total concentrations) in the Neches River at Evadale (BITH 0033) and the Neches River at US 96 east of Silsbee (BITH 0034) exceeded both the drinking water criterion of 2.0 µg/L and the acute freshwater criterion of 2.4 µg/L.

The IDEA conducted for BITH indicates that STORET data exists for all Level I parameter groups in the park. Sufficient quantities of data were retrieved for the required chemical parameters; however, much of the data was collected before 1985. Results for 123 of the 127 EPA priority toxic pollutants (including inorganic parameters, general organics, pesticides, and PCB's) were retrieved from STORET. Much of the organic, pesticide, and PCB data were from Pine Island Bayou Station 18 (BITH 0008) and the Neches River (BITH 0009, BITH 0033, BITH 0034).

Surface water resources in the BITH study area include the lower reaches of the Neches River; several streams (e.g., Menard Creek, Turkey Creek, Beech Creek, Big Sandy Creek, Little Pine Island Bayou); an extensive floodplain forest; baygall; and cypress sloughs. Based on the data inventories and analyses contained in this report, surface waters within the study area generally appear to be of good quality; however, some notable localized areas of poor quality exist that may be caused by human activities, with indications of some impacts from human activities. These impacts are primarily due to the fact that watersheds for the streams flowing through the study area are not located within the park. Therefore, surrounding and upstream land-use activities can impact the

water quality. Potential sources of contaminants from these activities include sewage treatment plant discharge and septic tank usage; oil and gas production; timber harvesting; and agricultural practices.

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INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;
2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;
4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;
5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and
6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+¹ format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses² and with the Servicewide Inventory and

¹The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

²The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Julie Mattick and Scott Hermsen helped prepare the report and write the Executive Summary.

Joe Gregson and Scott Grover provided digital cartographic support, both in determining retrieval/query areas and producing graphics.

Jacquie Nolan designed the cover and provided publications support.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Kendrick Gordon served as the Production Technician and was responsible for executing the software and procedures to produce the park unit chapters.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Veqvist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STOrage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

- (1) Reformat the data into DBASE III+ format and other database structures;
- (2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
- (3) Display on a map the location of water quality monitoring stations and other water resources themes;
- (4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
- (5) Generate descriptive period-of-record water quality statistics in a tabular format;
- (6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
- (7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
- (8) Compare the water quality data against relevant EPA national criteria; and

- (9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

- (A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.
- (B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.
- (C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.
- (D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.
- (E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.
- (F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.
- (G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied.* Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):							
Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval

- (a) STREAM
- (b) CANAL
- (c) LAKE
- (d) RESERV (Reservoir)
- (e) SPRING
- (f) FWTLND (Fresh Water Wetland)
- (g) SWTLND (Salt Water Wetland)
- (h) ESTURY (Estuary)
- (i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

<u>Code</u>	<u>STORET Administrative Parameter Description</u>
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

<u>Media Screen</u>	<u>Description</u>
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:

Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:	
Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value.

Modification/Inclusion:

Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:	
Remark Code	Description of STORET Remark Code
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes	
Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
\$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots	
STORET Parameter Code	STORET Parameter Description
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

<p>Time Series:</p> <p>To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations.</p> <p>Annual Analysis:</p> <p>To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

<p>Annual Analysis:</p> <p>For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

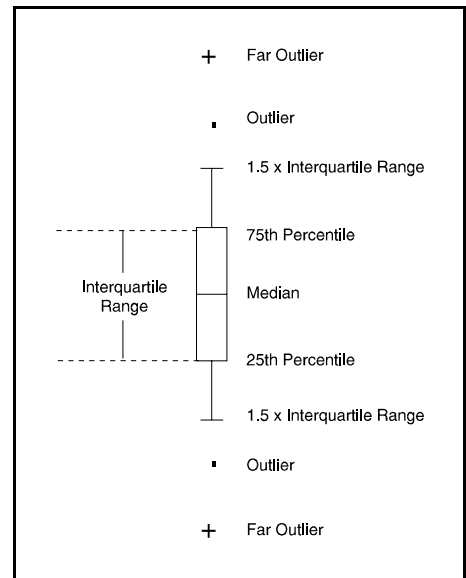
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

- (1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

- (2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.
- (3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from $\mu\text{eq/l H}^+$; and (3) $\mu\text{eq/l H}^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu\text{eq/l H}^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu\text{eq/l H}^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

<p><u>Required Parameter Groups:</u></p> <p>(1) Alkalinity</p> <p>(2) pH</p> <p>(3) Conductivity</p> <p>(4) Dissolved Oxygen</p> <p>(5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates)</p> <p>(6) Temperature</p> <p>(7) Flow</p> <p><u>Case-By-Case Parameters Groups:</u></p> <p>(8) Toxic Elements</p> <p>(9) Clarity/Turbidity</p> <p>(10) Nitrate/Nitrogen</p> <p>(11) Phosphate/Phosphorus</p> <p>(12) Chlorophyll</p> <p>(13) Sulfates</p> <p>(14) Bacteria</p>

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR BITH¹

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	<u>Study Area</u>	<u>Park</u>
GIS Estimated Acreage:	511302	88890
# STORET Stations:	41	17
# Stations With No Data:	0	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	9	2
Date of STORET Retrieval:	08/17/93	08/17/93
Period of Record:	10/01/59-06/16/93	10/01/59-06/16/93
# Parameters Measured:	493	477
# Water Quality Observations:	40043	25783
# Industrial/Municipal Facilities:	15	1
# Drinking Water Intakes:	3	0
# Water Gages:	9	2
# Water Impoundments:	15	3
# Total Plots:	101	60
# Time Series:	17	8
# Annual:	48	26
# Seasonal:	36	26

Hydrologic Definition of Seasons:

1. August 15 - October 31
2. November 1 - January 31
3. February 1 - May 31
4. June 1 - August 14

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 25 years and at least 160 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 8 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

Seasonal Analysis Criteria:

To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 25 years and observations in at least 4 of the 25 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

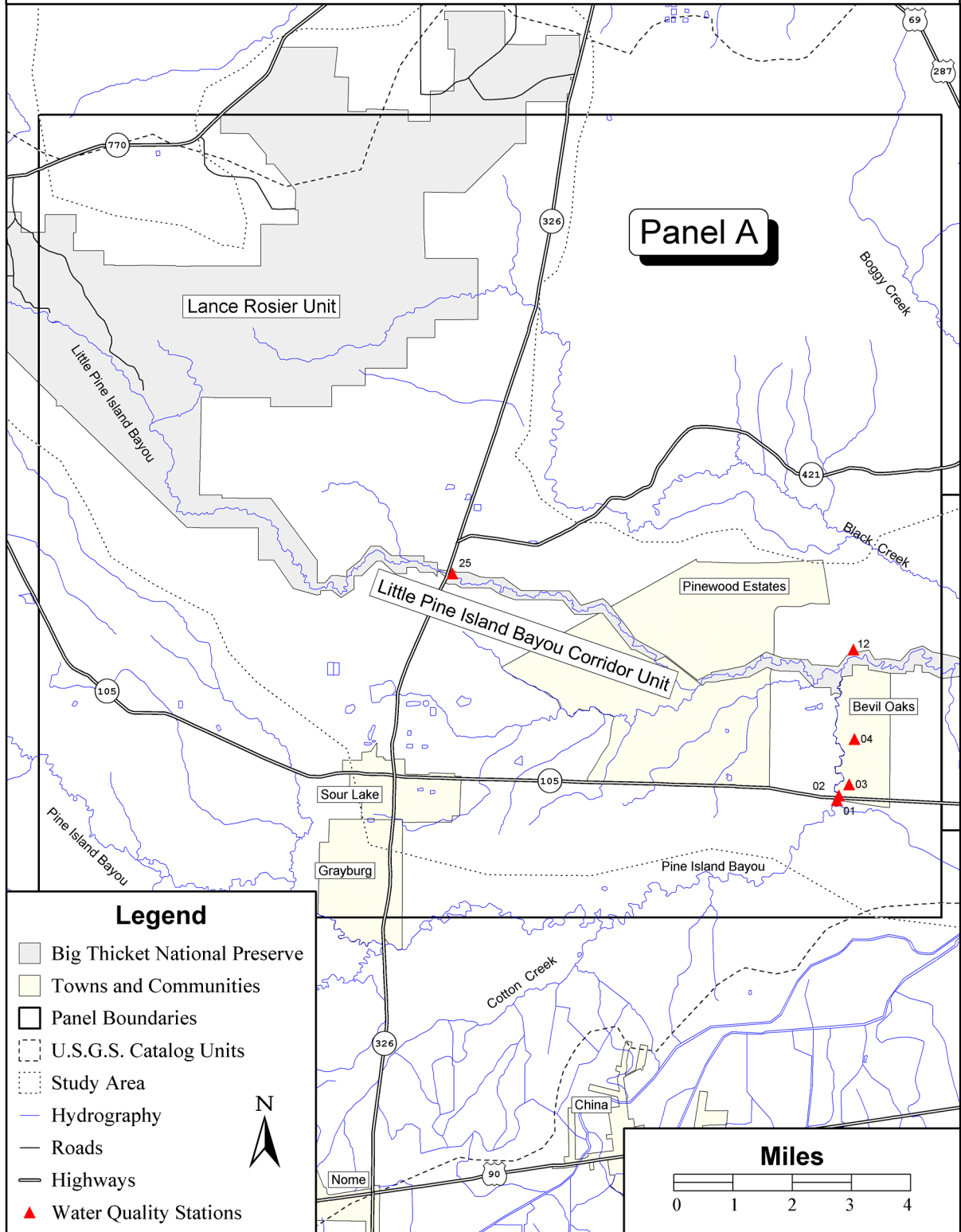
¹To prepare a Microsoft Word version of this report, data were reprocessed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Regional Location Map



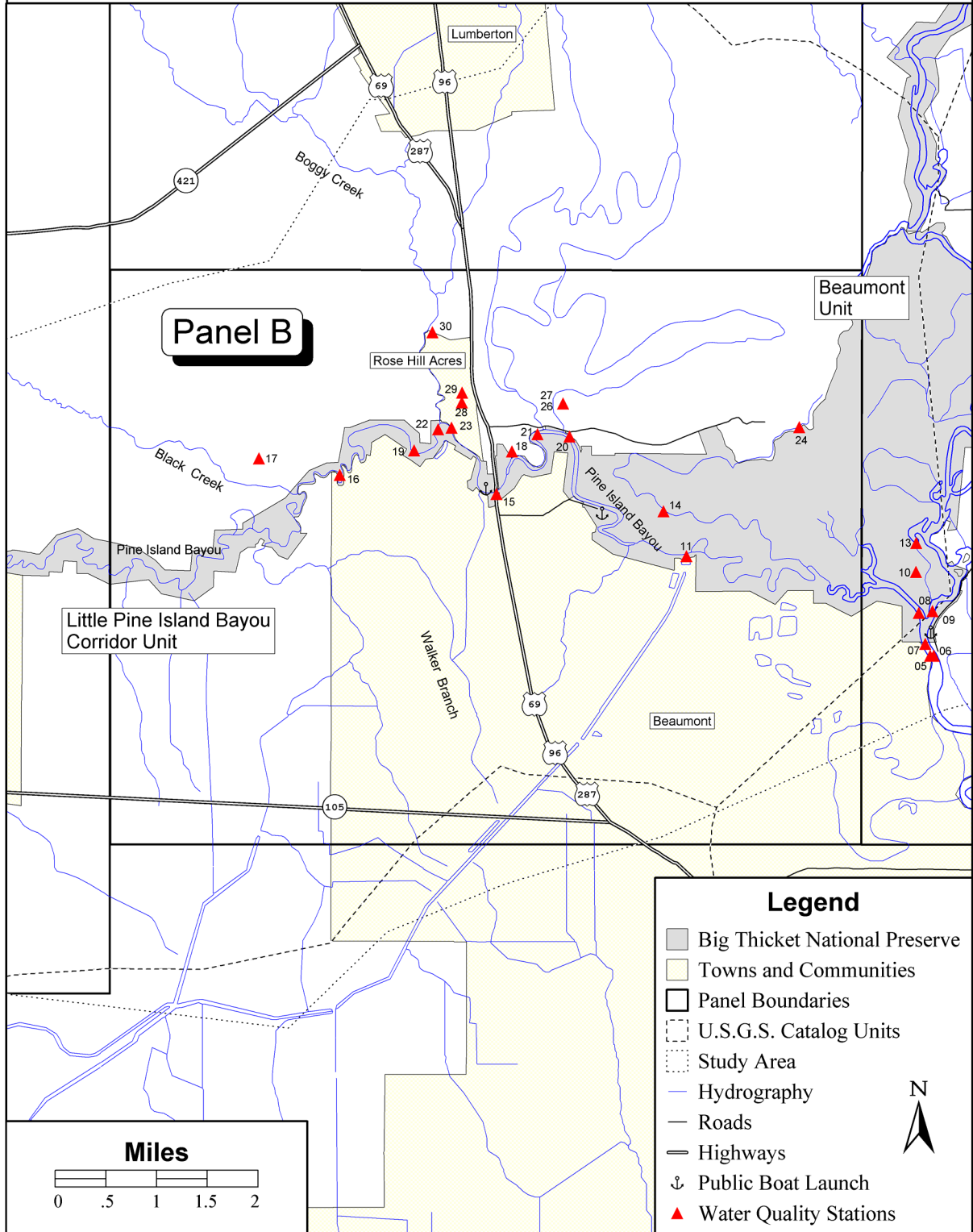
Big Thicket National Preserve

Water Quality Monitoring Locations



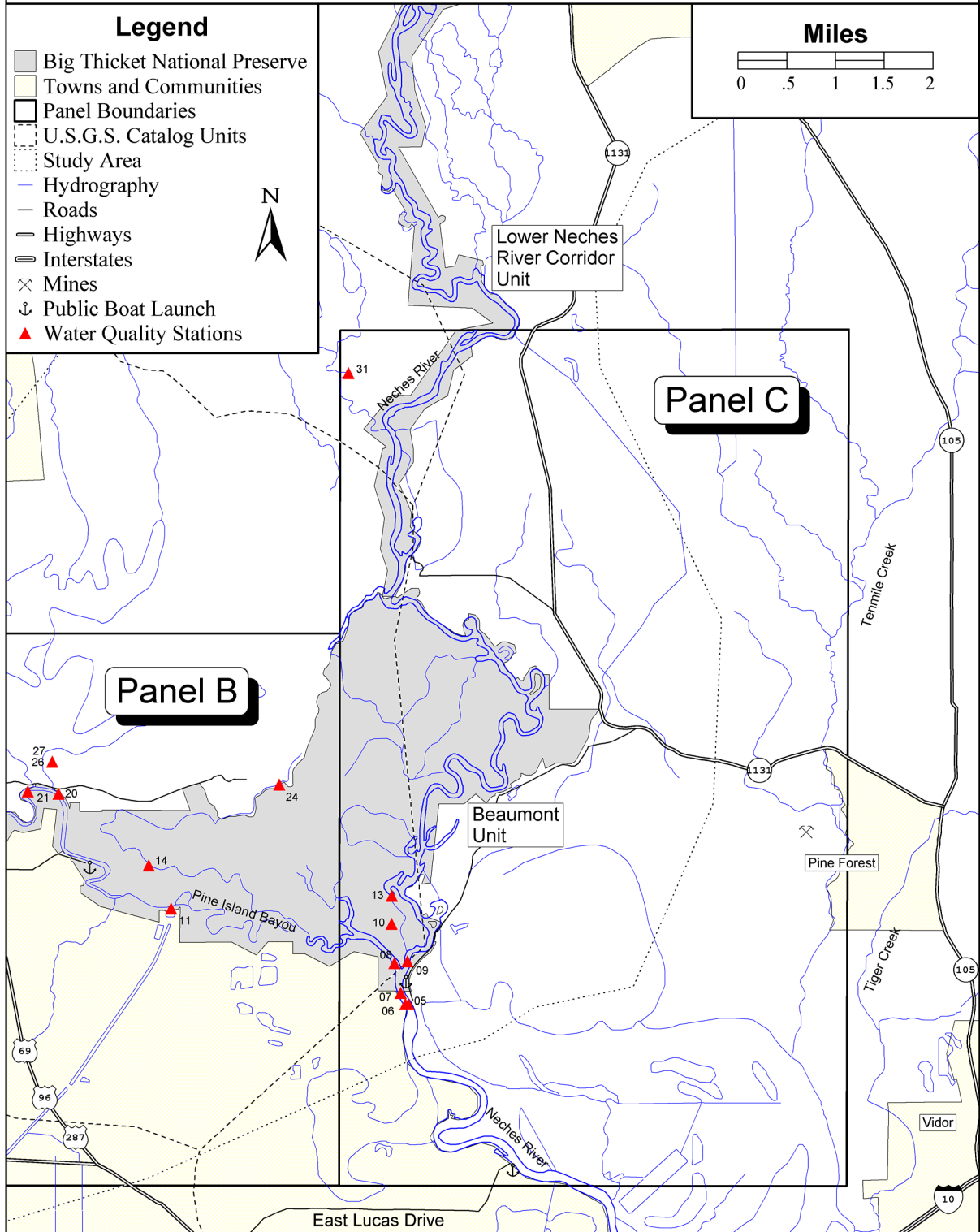
Big Thicket National Preserve

Water Quality Monitoring Locations



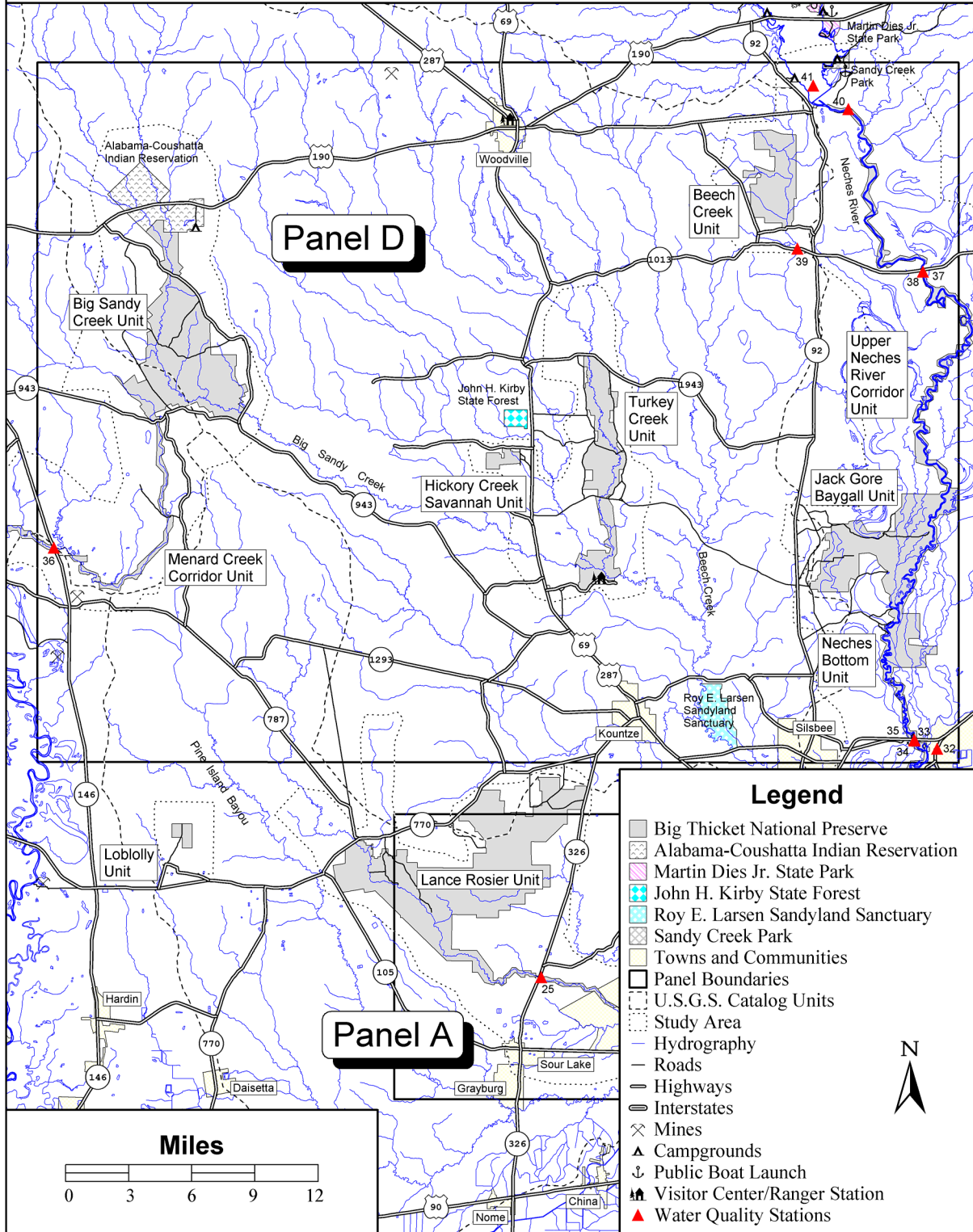
Big Thicket National Preserve

Water Quality Monitoring Locations



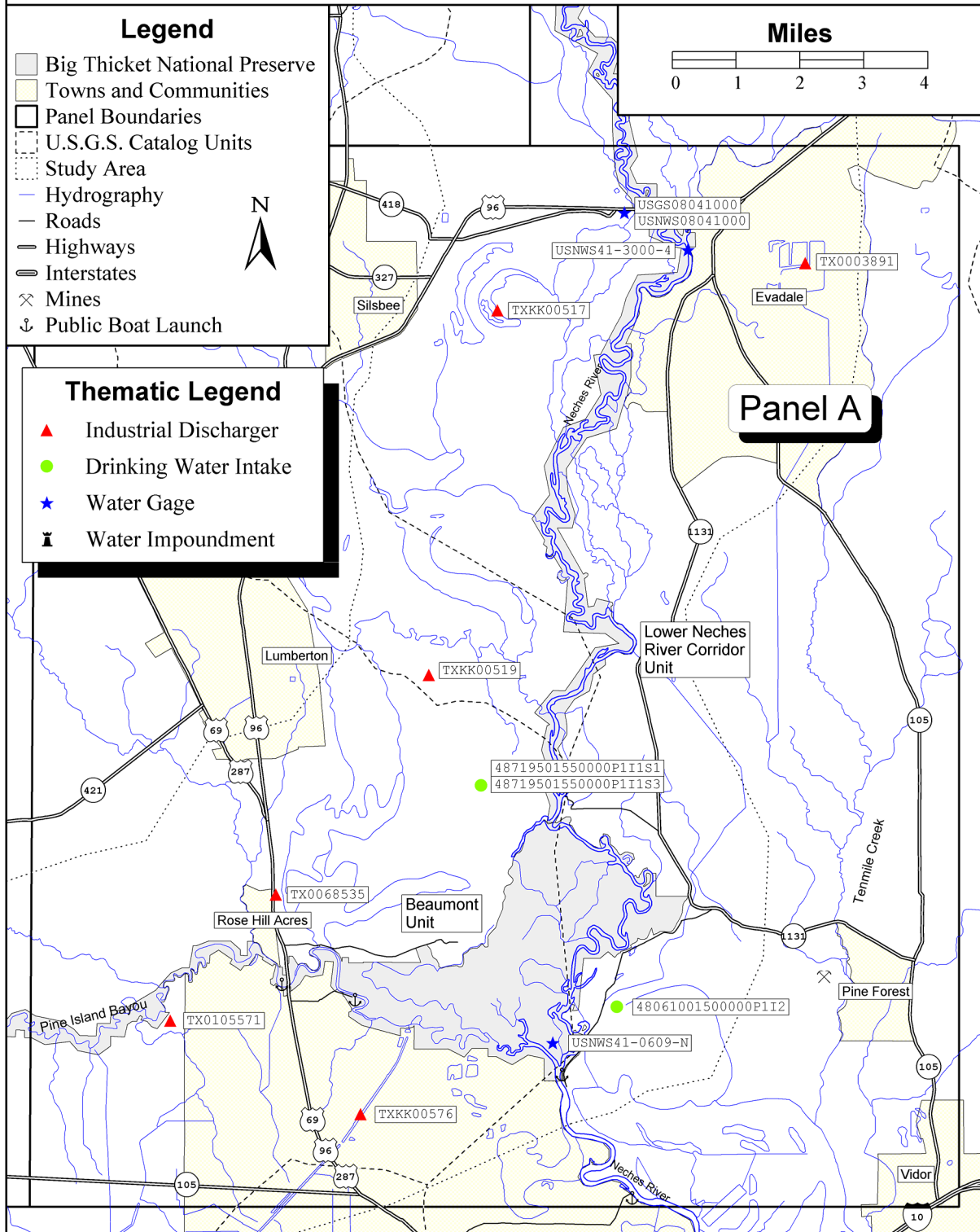
Big Thicket National Preserve

Water Quality Monitoring Locations



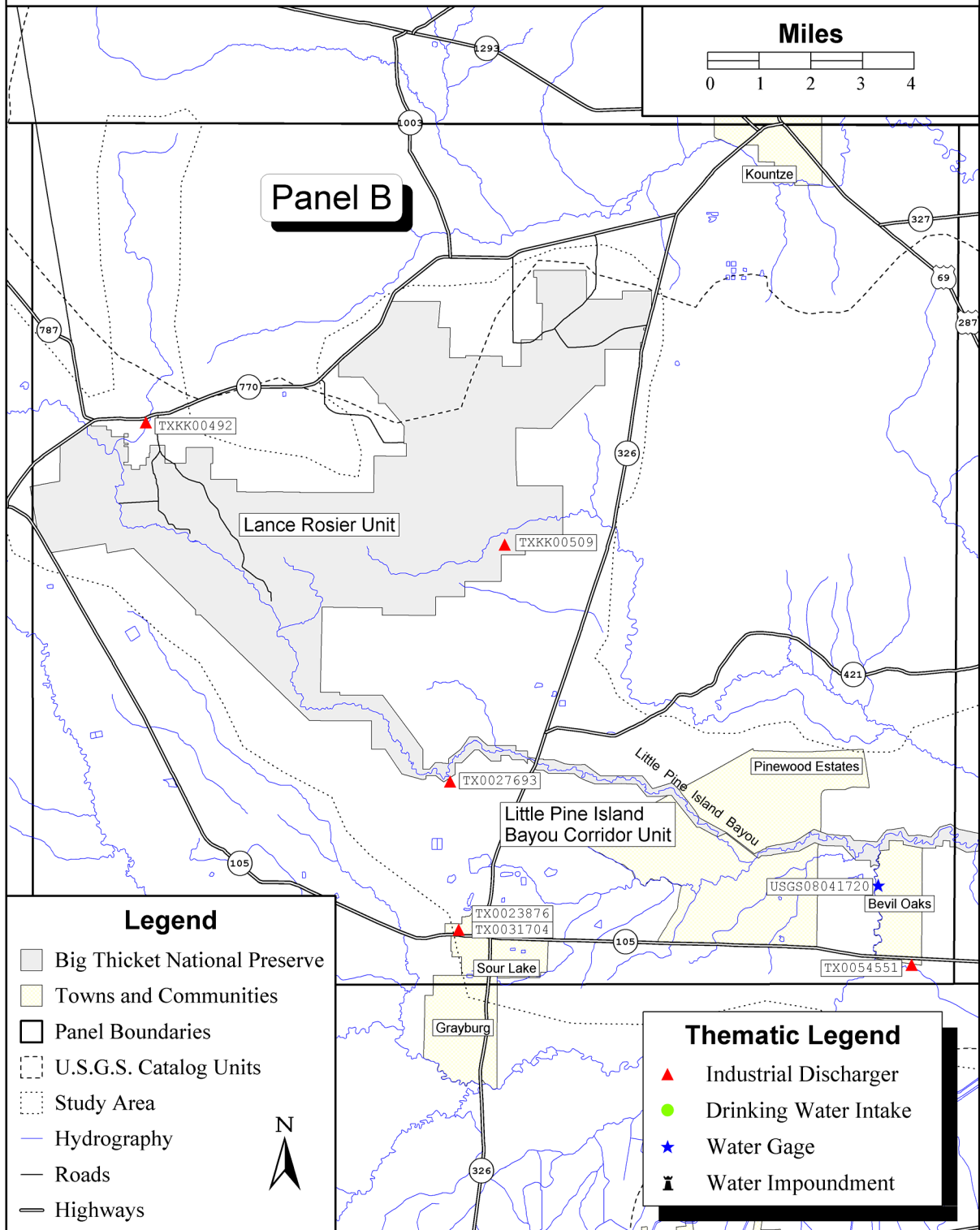
Big Thicket National Preserve

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



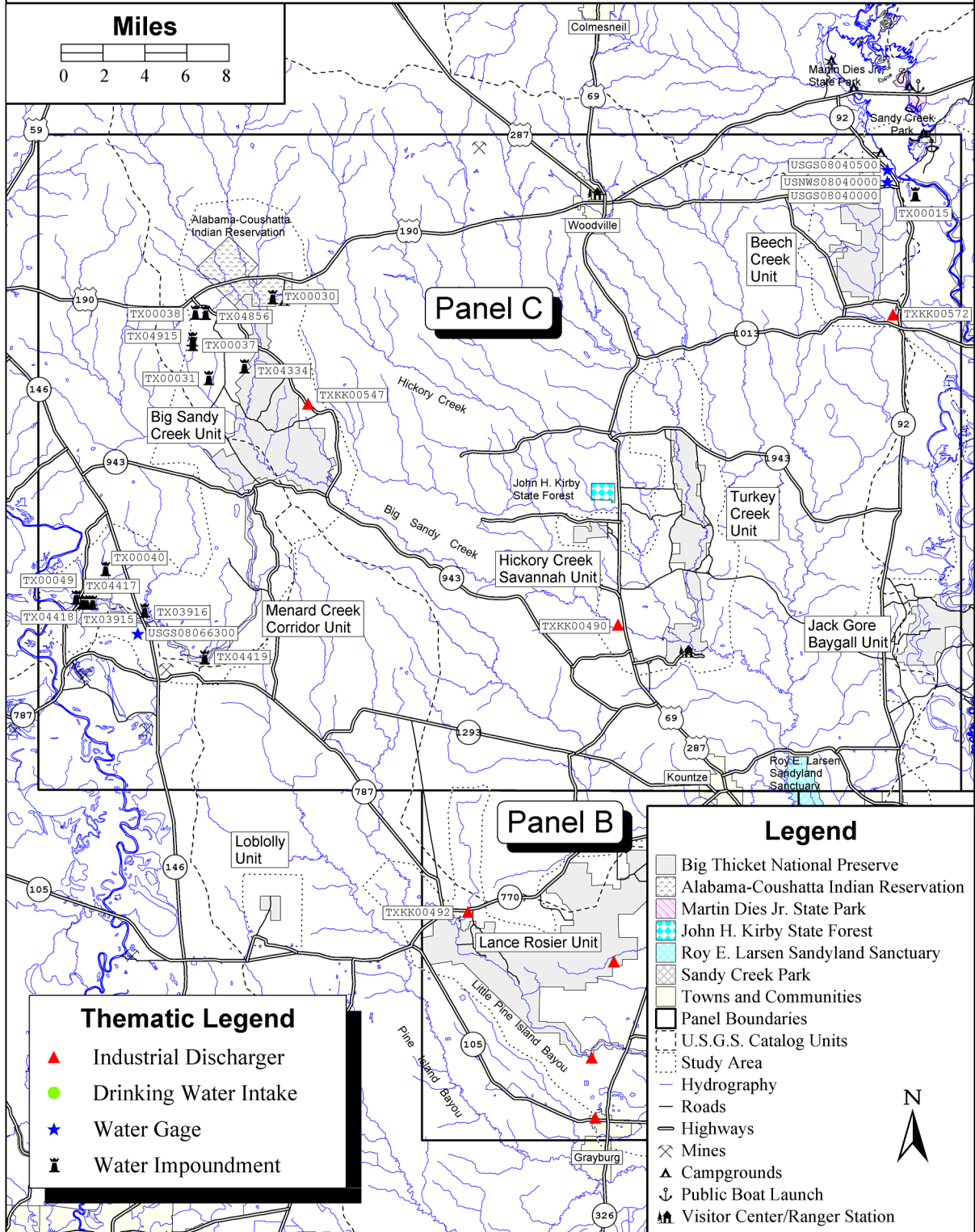
Big Thicket National Preserve

Dischargers, Drinking Intakes, Water Gages, & Water Impoundment



Big Thicket National Preserve

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, and Stream Gages Within the BITH Study Area

Industrial Facility Discharges

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>Address</u>	<u>City</u>	<u>Facility Receiving Water Name</u>
TXKK00490	VILLAGE MILLS	-----	-----	-----
TXKK00492	SARATOGA ,CITYOF	-----	-----	-----
TXKK00509	BATSON	-----	-----	-----
TXKK00517	EVADALE	-----	-----	-----
TXKK00519	CARDINAL MEADOWS ID	-----	-----	-----
TXKK00547	DALLARDSVILLE	-----	-----	-----
TXKK00572	SPURGER	-----	-----	-----
TXKK00576	ORANGE CO WCID #1	-----	-----	-----
TX0003891	TEMPLE-INLAND FOREST PRODUCTS	EVADALE PAPER MILL	DIBOLL	NECHES RIVER
TX0023876	SOUR LAKE, CITY OF	SOUR LAKE	PINE ISLAND BAYOU
TX0027693	HARDIN COUNTY WCID #0001	RT 1 BOX 359	BEAUMONT	L PINE ISLAND BAYOU
TX0031704	TRANSCONTINENTAL GAS PIPE LINE	SOUR LAKE	TR TO PINE ISLAND BAYOU
TX0054551	BEVIL OAKS MUD	RT 1, BOX 399	BEAUMONT	0607
TX0068535	LUMBERTON MUD	MR. DON WILEY, BOARD PRES	BEAUMONT	VILLAGE SLOUGH/PINE ISLAND BAY
TX0105571	POLYAMERICA INC/KILPATRICK	-----	-----	-----

Drinking Water Intakes

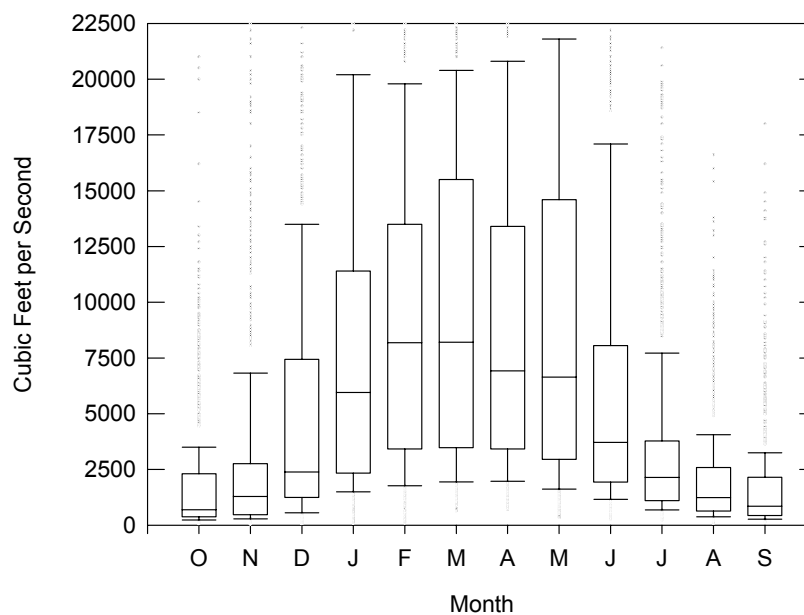
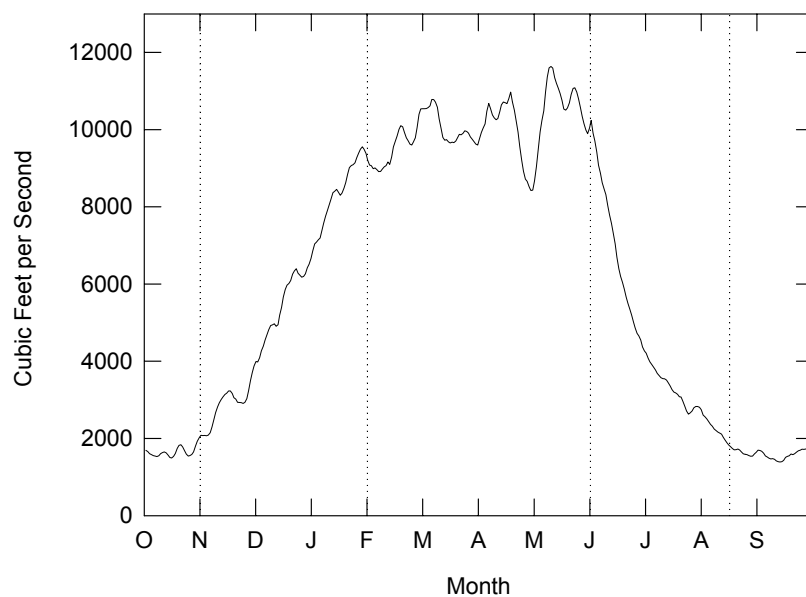
<u>Site ID</u>	<u>Station/Facility Name</u>	<u>City</u>	<u>Population Served</u>	<u>Avg. Daily Production</u> <u>(Gal./Day)</u>
48061001500000P1I2	NECHES RIVER	BEAUMONT	134500	0.00
48719501550000P1I1S1	FRESH WATER CANAL	PORT ARTHUR	80000	0.00
48719501550000P1I1S3	NECHES RIVER	PORT ARTHUR	80000	0.00

USGS Stream Gages

<u>Site ID</u>	<u>Station Name</u>	<u>Catalog Unit</u>	<u>Drainage Area</u> <u>(Square Miles)</u>	<u>USGS Mean Annual Flow</u> <u>(Cubic Feet/Second)</u>
USGS08040000	B. A. STEINHAGEN LA	12020003	7573.00	-
USGS08040500	NECHES RIVER AT TOW	12020003	7573.00	-
USGS08041000	NECHES RIVER AT EVA	12020003	7951.00	7143.00
USGS08041720	PINE ISLAND BAY AT	12020007	-	-
USGS08066300	MENARD CREEK NEAR R	12030202	152.00	94.50
USNWS08040000	B A STEINHAGEN LK A	12020003	7573.00	-
USNWS08041000	NECHES R AT EVADALE	12020003	7951.00	-
USNWS41-0609-N	BEAUMONT-BUNNSBLUFF	12020003	-	-
USNWS41-3000-4	EVADALE TEX ON NECH	12020003	-	-

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

BIG THICKET NATIONAL PRESERVE
Neches River at Evadale, TX
08041000, 71 year record



Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Big Thicket National Preserve are: Aug. 15 to Oct. 31, Nov. 1 to Jan. 31, Feb. 1 to May 31, and Jun. 1 to Aug. 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR BITH

<u>AGENCY</u>	<u>PRIMARY CONTACT NAME</u>	<u>ORGANIZATION</u>	<u>PHONE NUMBER(S)</u>
21TXWQB	DEACON, ROY	TEXAS WATER COMMISSION	(512)239-0870
21TEXWR	HOELMAN, LOUIS	USEPA HQ	(202)260-7050
112WRD	YORKE, TOM	US GEOLOGICAL SURVEY	(703)648-5687
11POX06	WHITE, DAVE	USEPA REGION 6	(214)655-6450
21TEXAG	HOELMAN, LOUIS	USEPA HQ	(202)260-7050

**QUANTITY OF DATA RETRIEVED FOR BITH BY AGENCY CODE
WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK**

Agency	Organization	Period of Record		Water Quality Stations		Longer Term ¹ Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	Park Only	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park
21TXWQB	TEXAS WATER COMMISSION	09/12/68-06/16/93	10/25/71-06/16/93	14	7	5	1	0	0	15757	9633	193	187
21TEXWR	USEPA HQ	09/12/68-09/20/77	10/07/75-07/22/76	18	5	1	0	0	0	1828	150	81	40
112WRD	US GEOLOGICAL SURVEY	10/01/59-03/08/93	10/01/59-03/08/93	6	3	3	1	0	0	21895	15481	220	204
11POX06	USEPA REGION 6	09/23/80-09/23/80	09/23/80-09/23/80	2	2	0	0	0	0	519	519	260	260
21TEXAG	USEPA HQ	12/03/70-06/07/71	No Data in Park	1	0	0	0	0	0	44	0	11	0
Totals		10/01/59-06/16/93	10/01/59-06/16/93	41	17	9	2	0	0	40043	25783	493	477

¹Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation From 10/01/59 To 06/16/93

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75
BITH0001 ¹	PINE ISLAND BAYOU AT SH 105	No	800	262	538	0
BITH0002	PINE ISLAND BAYOU AT STATE H 105	No	39	0	39	0
BITH0003	PINE ISLAND BAYOU AT SH 105	No	50	0	50	0
BITH0004	PINE ISLAND BAYOU 1 MI DWNSTM FR L. PINE IS BYU	No	50	0	50	0
BITH0005 ¹	9310702SABINE-NECHES ES LINE 107 SITE 02	No	1969	0	1073	896
BITH0006	9310703SABINE-NECHES ES LINE 107 SITE 03	No	26	0	0	26
BITH0007	NECHES RIVER AT HIGH LINE CROSSING@0.2 KILOMETER	No	81	81	0	0
BITH0008	PINE ISLAND BAYOU STA 18 NEAR MOUTH	Yes	259	0	259	0
BITH0009	NECHES RIVER AT BUNNS BLUFF STA 9	Yes	260	0	260	0
BITH0010	IMMEDIATELY UPSTM OF COOK'S LAKE	Yes	22	0	22	0
BITH0011	PINE ISLAND BAYOU AT LNVA LOWER PUMP STATION 6.6	Yes	39	39	0	0
BITH0012	APP 1 MI DWNSTM OF CONFLU W/ L P	No	39	0	39	0
BITH0013	PINE ISLAND BAYOU AT MOUTH	Yes	39	0	39	0
BITH0014	PINE ISL BAYOU AT SUICIDE BEND	Yes	39	0	39	0
BITH0015 ¹	PINE ISLAND BAYOU AT US 69 /US 96/US 287 AT VOTH	No	3034	826	1539	669
BITH0016	PINE ISLAND BAYOU@ 1.1 KM DOWNSTREAM OF BLACK CR	Yes	44	44	0	0
BITH0017	BLACK CREEK AT MOUTH	No	50	0	50	0
BITH0018	PINE ISLAND BAYOU AT U.S. HWY 96	No	39	0	39	0
BITH0019	BLACK CREEK AT MOUTH	Yes	39	0	39	0
BITH0020	PINE ISLAND BAYOU 0.5 KM DOWNSTREAM OF VILLAGE S	Yes	66	66	0	0
BITH0021	PINE ISLAND BAYOU 0.2 KM UPSTREAM OF VILLAGE SLO	Yes	64	64	0	0
BITH0022	PINE ISLAND BAYOU 0.1 KM UPSTREAM OF BOGGY CREEK	Yes	63	63	0	0
BITH0023	PINE ISLAND BAYOU 0.1 KM DOWNSTREAM OF BOGGY CRE	Yes	52	52	0	0
BITH0024	L PINE ISL BAYOU AT FARM & MKT R	No	22	0	22	0
BITH0025	LITTLE PINE ISLAND BAYOU AT SH 326	Yes	11	0	11	0
BITH0026	VILLAGE SLOUGH AT MOUTH	No	39	0	39	0
BITH0027	PINE ISLAND BAYOU AT US 96	No	22	0	22	0
BITH0028	BOGGY CR. AT MOUTH	No	22	0	22	0
BITH0029	BOGGY CREEK AT MOUTH	No	39	0	39	0
BITH0030	BOGGY CREEK AT KEITH RD.	No	43	43	0	0
BITH0031	VILLAGE SLOUGH AT MOUTH (STA. 1	No	22	0	22	0
BITH0032	NECHES R AT EVADALE AT HWY 96 BR	No	44	0	0	44
BITH0033 ¹	NECHES RIVER AT EVADALE, TEX.	Yes	15224	2298	4331	8595
BITH0034 ¹	NECHES RIVER AT US 96 EAST OF SILSBEE	Yes	9305	3535	4934	836
BITH0035	NECHES R AT EVADALE, TEXAS	Yes	63	0	0	63
BITH0036 ¹	MENARD CREEK NR RYE, TX	No	4419	880	1601	1938
BITH0037 ¹	NECHES RIVER AT FM 1013 EAST OF SPURGER	No	1399	121	329	949
BITH0038 ¹	NECHES R AT FM 1013 E OF SPURGER	No	1245	0	284	961
BITH0039	BEECH CREEK W SPURGER	No	140	140	0	0
BITH0040	NECHES RIVER NEAR TOWN BLUFF, TX	Yes	194	194	0	0
BITH0041 ¹	B. A. STEINHAGEN RESERVOIR NEAR DAM	No	627	309	318	0

¹Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Parameter Code	Name	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	1262	433	528	301	18	8
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	7	0	3	4	3	3
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1555	462	641	452	19	9
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	675	49	386	240	7	1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	29	0	0	29	3	0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	57	0	0	57	3	0
00025	BAROMETRIC PRESSURE (MM OF HG)	67	54	13	0	2	2
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	192	109	83	0	4	2
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	242	109	133	0	4	2
00060	FLOW, STREAM, MEAN DAILY CFS	407	0	0	407	3	2
00061	FLOW, STREAM, INSTANTANEOUS CFS	609	203	303	103	9	3
00062	ELEVATION, RESERVOIR SURFACE WATER IN FEET	11	3	8	0	1	0
00065	STAGE, STREAM (FEET)	110	63	47	0	2	1
00070	TURBIDITY, (JACKSON CANDLE UNITS)	399	0	154	245	6	2
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	148	94	54	0	2	2
00077	TRANSPARENCY, SECCHI DISC (INCHES)	164	65	99	0	6	1
00078	TRANSPARENCY, SECCHI DISC (METERS)	49	15	23	11	4	1
00080	COLOR (PLATINUM-COBALT UNITS)	83	2	43	38	5	2
00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	15	0	0	15	4	1
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	799	300	381	118	15	7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1250	176	373	701	13	5
00300	OXYGEN, DISSOLVED MG/L	1321	409	570	342	18	9
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	259	0	158	101	3	2
00307	BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	4	4	0	0	4	1
00308	BOD, NITROGEN INHIB., TOTAL, 20 DAY, 20 DEG C MG/L	3	3	0	0	3	1
00309	BOD, NITROGEN INHIB., DISS., 20 DAY, 20 DEG C MG/L	3	3	0	0	3	1
00310	BOD, 5 DAY, 20 DEG C MG/L	377	101	89	187	7	3
00314	BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	4	4	0	0	4	1
00335	COD, .025N K2CR2O7 MG/L	185	36	120	29	3	2
00339	COD, BOTTOM DEPOSITS, DRY WEIGHT MG/KG	9	0	9	0	1	1
00400	PH (STANDARD UNITS)	1663	406	565	692	20	10
00403	PH, LAB, STANDARD UNITS SU	477	127	176	174	11	4
00405	CARBON DIOXIDE (MG/L AS CO2)	265	0	75	190	3	1
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	1015	242	363	410	14	4
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77	0	77	0	4	1
00417	ALKALINITY, FIXED ENDPOINT TITRATION, USGS LAB MG/L	2	2	0	0	1	1
00440	BICARBONATE ION (MG/L AS HCO3)	558	2	86	470	5	2
00445	CARBONATE ION (MG/L AS CO3)	410	2	86	322	4	2
00447	CARBONATE, INCREMENTAL TITRATION, (CO3) FIELD MG/L	5	5	0	0	1	1
00450	BICARBONATE, INCREMENTAL TITRATION, (HCO3) FIELD MG/L	5	5	0	0	1	1
00452	CARBONATE, WATER, DISS, INCR TIT, FIELD, AS CO3, MG/L	31	31	0	0	1	1
00453	BICARBONATE, WATER, DISS, INCR TIT, FIELD, AS HCO3, MG/L	31	31	0	0	1	1
00480	SALINITY - PARTS PER THOUSAND	107	33	74	0	1	1
00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	13	4	9	0	1	1
00500	RESIDUE, TOTAL (MG/L)	27	0	27	0	3	1
00505	RESIDUE, TOTAL VOLATILE (MG/L)	32	0	25	7	3	2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	1	0	1	0	1	1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	406	88	210	108	10	3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	397	87	212	98	10	3
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12	0	12	0	1	1
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT, REC, MG/L	48	0	41	7	1	1
00557	OIL & GREASE, SED, DRY WT, FREON EXTR.-GRAV METH, MG/KG	13	4	9	0	1	1
00561	OIL & GREASE, SED, DRY WT, FREON EXTR.-IR METH, MG/KG	8	0	1	7	1	1
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	4	0	3	1	1	1
00573	BIOMASS, PERIPHYTON, DRY WEIGHT TOTAL (G/M2)	3	0	3	0	1	1
00600	NITROGEN, TOTAL (MG/L AS N)	81	0	69	12	2	1
00602	NITROGEN, DISSOLVED (MG/L AS N)	13	0	13	0	1	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	103	0	69	34	3	2
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	13	0	13	0	1	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	145	94	51	0	2	2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	575	178	267	130	12	4
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	85	85	0	0	2	2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	220	55	102	63	11	4
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	116	0	0	116	2	1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	554	86	246	222	12	3
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	28	2	26	0	2	2
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	17	0	17	0	1	1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	395	150	229	16	10	4
00626	NITROGEN, ORG. KJEL., BOT. DEPOS. (MG/KG-N DRY WGT)	20	4	9	7	1	1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	229	68	149	12	6	3
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	145	94	51	0	2	2

**Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Parameter Code	Name	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	348	14	193	141	8	2
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	283	14	205	64	8	2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	624	187	304	133	12	4
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	157	92	65	0	2	2
00668	PHOSPHORUS, TOTAL, BOTTOM DEPOSIT (MG/KG-P DRY WGT)	14	4	10	0	1	1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	477	179	234	64	11	3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	379	82	239	58	8	2
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	11	0	11	0	1	1
00684	CARBON DISSOLVED ORGANIC WHATMAN GF/F MG/L AS C	3	3	0	0	3	1
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	9	0	9	0	1	1
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	2	0	2	0	2	2
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	2	0	2	0	2	2
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	606	6	129	471	6	3
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	590	0	121	469	4	2
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	784	155	166	463	6	4
00925	MAGNESIUM, DISSOLVED (MG/L AS Mg)	784	155	166	463	6	4
00930	SODIUM, DISSOLVED (MG/L AS Na)	667	155	166	346	7	4
00931	SODIUM ADSORPTION RATIO	572	0	129	443	5	3
00932	SODIUM, PERCENT	355	0	121	234	3	1
00933	SODIUM, PLUS POTASSIUM (MG/L)	127	0	9	118	3	1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	447	155	166	126	5	3
00940	CHLORIDE, TOTAL IN WATER MG/L	1243	243	359	641	15	5
00941	CHLORIDE, DISSOLVED IN WATER MG/L	48	0	0	48	3	1
00945	SULFATE, TOTAL (MG/L AS SO4)	1217	241	358	618	15	5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	688	155	164	369	7	4
00955	SILICA, DISSOLVED (MG/L AS SiO2)	786	155	165	466	6	4
01000	ARSENIC, DISSOLVED (UG/L AS AS)	115	54	41	20	4	3
01001	ARSENIC, SUSPENDED (UG/L AS AS)	12	0	12	0	1	1
01002	ARSENIC, TOTAL (UG/L AS AS)	97	6	78	13	13	5
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	46	4	41	1	21	8
01005	BARIUM, DISSOLVED (UG/L AS Ba)	101	63	38	0	3	3
01006	BARIUM, SUSPENDED (UG/L AS Ba)	13	0	13	0	1	1
01007	BARIUM, TOTAL (UG/L AS Ba)	25	0	23	2	4	2
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS Ba DRY WGT)	8	4	4	0	1	1
01010	BERYLLIUM, DISSOLVED (UG/L AS Be)	72	54	18	0	3	3
01012	BERYLLIUM, TOTAL (UG/L AS Be)	2	0	2	0	2	2
01013	BERYLLIUM IN BOTTOM DEPOSITS (MG/KG AS Be DRY WGT)	2	0	2	0	2	2
01020	BORON, DISSOLVED (UG/L AS B)	17	0	4	13	3	1
01022	BORON, TOTAL (UG/L AS B)	4	0	1	3	1	1
01025	CADMIUM, DISSOLVED (UG/L AS Cd)	115	54	41	20	4	3
01026	CADMIUM, SUSPENDED (UG/L AS Cd)	9	0	9	0	1	1
01027	CADMIUM, TOTAL (UG/L AS Cd)	97	6	78	13	13	5
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	45	4	41	0	20	8
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	45	4	41	0	20	8
01030	CHROMIUM, DISSOLVED (UG/L AS Cr)	114	54	41	19	4	3
01031	CHROMIUM, SUSPEND (UG/L AS Cr)	11	0	11	0	1	1
01032	CHROMIUM, HEXAVALENT (UG/L AS Cr)	1	0	0	1	1	1
01034	CHROMIUM, TOTAL (UG/L AS Cr)	97	6	78	13	13	5
01035	COBALT, DISSOLVED (UG/L AS Co)	122	63	41	18	4	3
01036	COBALT, SUSPENDED (UG/L AS Co)	9	0	9	0	1	1
01037	COBALT, TOTAL (UG/L AS Co)	24	0	23	1	2	2
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS Co DRY WGT)	1	0	0	1	1	0
01040	COPPER, DISSOLVED (UG/L AS Cu)	118	54	41	23	4	3
01041	COPPER, SUSPENDED (UG/L AS Cu)	15	0	15	0	1	1
01042	COPPER, TOTAL (UG/L AS Cu)	47	6	37	4	13	5
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS Cu DRY WGT)	46	4	41	1	21	8
01044	IRON, SUSPENDED (UG/L AS Fe)	13	0	13	0	1	1
01045	IRON, TOTAL (UG/L AS Fe)	80	0	69	11	4	2
01046	IRON, DISSOLVED (UG/L AS Fe)	126	63	41	22	4	3
01049	LEAD, DISSOLVED (UG/L AS Pb)	114	54	41	19	4	3
01050	LEAD, SUSPENDED (UG/L AS Pb)	14	0	14	0	1	1
01051	LEAD, TOTAL (UG/L AS Pb)	97	6	78	13	13	5
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS Pb DRY WGT)	46	4	41	1	21	8
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS Mn DRY WGT)	44	4	39	1	19	6
01054	MANGANESE, SUSPENDED (UG/L AS Mn)	15	0	15	0	1	1
01055	MANGANESE, TOTAL (UG/L AS Mn)	40	1	35	4	11	3
01056	MANGANESE, DISSOLVED (UG/L AS Mn)	127	63	41	23	4	3
01059	THALLIUM, TOTAL (UG/L AS Tl)	2	0	2	0	2	2
01060	MOLYBDENUM, DISSOLVED (UG/L AS Mo)	81	63	18	0	3	3
01065	NICKEL, DISSOLVED (UG/L AS Ni)	115	63	34	18	4	3
01066	NICKEL, SUSPENDED (UG/L AS Ni)	8	0	8	0	1	1

Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Parameter Code	Name	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
01067	NICKEL, TOTAL (UG/L AS NI)	37	6	28	3	13	5
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	45	4	41	0	20	8
01075	SILVER, DISSOLVED (UG/L AS AG)	101	63	38	0	3	3
01076	SILVER, SUSPENDED (UG/L AS AG)	11	0	11	0	1	1
01077	SILVER, TOTAL (UG/L AS AG)	42	6	33	3	13	5
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	45	4	41	0	20	8
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	110	63	21	26	4	3
01085	VANADIUM, DISSOLVED (UG/L AS V)	81	63	18	0	3	3
01090	ZINC, DISSOLVED (UG/L AS ZN)	116	54	41	21	4	3
01091	ZINC, SUSPENDED (UG/L ZN)	15	0	15	0	1	1
01092	ZINC, TOTAL (UG/L AS ZN)	95	6	78	11	13	5
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	46	4	41	1	21	8
01097	ANTIMONY, TOTAL (UG/L AS SB)	2	0	2	0	2	2
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	2	0	2	0	2	2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	100	61	19	20	3	2
01130	LITHIUM, DISSOLVED (UG/L AS LI)	110	63	21	26	4	3
01145	SELENIUM, DISSOLVED (UG/L AS SE)	105	63	41	1	3	3
01146	SELENIUM, SUSPENDED (UG/L AS SE)	11	0	11	0	1	1
01147	SELENIUM, TOTAL (UG/L AS SE)	47	6	37	4	13	5
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	45	4	41	0	20	8
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	1	0	0	1	1	0
01351	FLOW, STRM, 1 DRY, 2 LOW, 3 NORM, 4 FLOOD, 5 ABOVE NORM, CODE	66	57	9	0	4	1
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED, M-ENDO MED, 35C	41	0	28	13	6	2
31505	COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	23	0	0	23	4	1
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	319	103	181	35	11	3
31619	FECAL COLIFORM, MPN, BORIC ACID LACTOSE BR, 43C, 48HR	23	0	0	23	4	1
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	168	95	73	0	2	2
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	168	95	73	0	2	2
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	53	26	14	13	7	2
32101	BROMODICHLOROMETHANE, WHOLE WATER, UG/L	2	0	2	0	2	2
32102	CARBON TETRACHLORIDE, WHOLE WATER, UG/L	2	0	2	0	2	2
32103	1,2-DICHLOROETHANE, WHOLE WATER, UG/L	2	0	2	0	2	2
32104	BROMOFORM, WHOLE WATER, UG/L	2	0	2	0	2	2
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	2	0	2	0	2	2
32106	CHLOROFORM, WHOLE WATER, UG/L	2	0	2	0	2	2
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	260	81	140	39	8	2
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	201	81	120	0	8	2
32222	CHLOROPHYLL A IN BOTTOM DEPOSITS (UG/KG DRY WGT)	2	0	2	0	1	0
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	4	0	3	1	1	1
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	4	0	3	1	1	1
32230	CHLOROPHYLL A (MG/L)	22	0	10	12	2	0
32231	CHLOROPHYLL B (MG/L)	2	0	2	0	1	0
32232	CHLOROPHYLL C (MG/L)	2	0	2	0	1	0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1	0	0	1	1	1
32240	TANNIN AND LIGNIN (MG/L)	1	1	0	0	1	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	19	0	4	15	4	3
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	2	0	2	0	2	2
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	2	0	2	0	2	2
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	2	0	2	0	2	2
34200	ACENAPHTHYLENE TOTWUG/L	2	0	2	0	2	2
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34205	ACENAPHTHENE TOTWUG/L	2	0	2	0	2	2
34208	ACENAPHTHENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34210	ACROLEIN TOTWUG/L	2	0	2	0	2	2
34213	ACROLEIN DRY WGTBOTUG/KG	2	0	2	0	2	2
34215	ACRYLONITRILE TOTWUG/L	2	0	2	0	2	2
34218	ACRYLONITRILE DRY WGTBOTUG/KG	2	0	2	0	2	2
34230	BENZO(B)FLUORANTHENE, WHOLE WATER, UG/L	2	0	2	0	2	2
34233	BENZO(B)FLUORANTHENE, SEDIMENTS, DRY WGT, UG/KG	2	0	2	0	2	2
34237	BENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	2	0	2	0	2	2
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	2	0	2	0	2	2
34247	BENZO-A-PYRENE TOTWUG/L	2	0	2	0	2	2
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34257	B-BHC-BETA DRY WGTBOTUG/KG	2	0	2	0	2	2
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	2	0	2	0	2	2
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	2
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	2	0	2	0	2	2
34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	2	0	2	0	2	2
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	2	0	2	0	2	2
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	2	0	2	0	2	2

**Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Parameter Code	Name	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	2	0	2	0	2	2
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	2	0	2	0	2	2
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	2	0	2	0	2	2
34290	BROMOFORM DRY WGTBOTUG/KG	2	0	2	0	2	2
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	2	0	2	0	2	2
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	2	0	2	0	2	2
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	2
34301	CHLOROBENZENE TOTWUG/L	2	0	2	0	2	2
34304	CHLOROBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34311	CHLOROETHANE TOTWUG/L	2	0	2	0	2	2
34314	CHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34318	CHLOROFORM DRY WGTBOTUG/KG	2	0	2	0	2	2
34320	CHRYSENE TOTWUG/L	2	0	2	0	2	2
34323	CHRYSENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34336	DIETHYL PHTHALATE TOTWUG/L	2	0	2	0	2	2
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	2	0	2	0	2	2
34341	DIMETHYL PHTHALATE TOTWUG/L	2	0	2	0	2	2
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	2	0	2	0	2	2
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	2	0	2	0	2	2
34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	2	0	2	0	2	2
34351	ENDOSULFAN SULFATE TOTWUG/L	2	0	2	0	2	2
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	2	0	2	0	2	2
34356	ENDOSULFAN, BETA TOTWUG/L	2	0	2	0	2	2
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	2	0	2	0	2	2
34361	ENDOSULFAN, ALPHA TOTWUG/L	2	0	2	0	2	2
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	2	0	2	0	2	2
34366	ENDRIN ALDEHYDE TOTWUG/L	2	0	2	0	2	2
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	2	0	2	0	2	2
34371	ETHYLBENZENE TOTWUG/L	2	0	2	0	2	2
34374	ETHYLBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34376	FLUORANTHENE TOTWUG/L	2	0	2	0	2	2
34379	FLUORANTHENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34381	FLUORENE TOTWUG/L	2	0	2	0	2	2
34384	FLUORENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	2	0	2	0	2	2
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34396	HEXACHLOROETHANE TOTWUG/L	2	0	2	0	2	2
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	2	0	2	0	2	2
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34408	ISOPHORONE TOTWUG/L	2	0	2	0	2	2
34411	ISOPHORONE DRY WGTBOTUG/KG	2	0	2	0	2	2
34413	METHYL BROMIDE TOTWUG/L	2	0	2	0	2	2
34416	METHYL BROMIDE DRY WGTBOTUG/KG	2	0	2	0	2	2
34418	METHYL CHLORIDE TOTWUG/L	2	0	2	0	2	2
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	2
34423	METHYLENE CHLORIDE TOTWUG/L	2	0	2	0	2	2
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	2
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	2	0	2	0	2	2
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	2	0	2	0	2	2
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	2	0	2	0	2	2
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	2	0	2	0	2	2
34438	N-NITROSODIMETHYLAMINE TOTWUG/L	2	0	2	0	2	2
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	2	0	2	0	2	2
34445	NAPHTHALENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34447	NITROBENZENE TOTWUG/L	2	0	2	0	2	2
34450	NITROBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34452	PARACHLOROMETA CRESOL TOTWUG/L	2	0	2	0	2	2
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34469	PYRENE TOTWUG/L	2	0	2	0	2	2
34472	PYRENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34475	TETRACHLOROETHYLENE TOTWUG/L	2	0	2	0	2	2
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34480	THALLIUM DRY WGTBOTMG/KG	2	0	2	0	2	2
34483	TOLUENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	2	0	2	0	2	2

**Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Parameter Code	Name	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	2	0	2	0	2	2
34496	1,1-DICHLOROETHANE TOTWUG/L	2	0	2	0	2	2
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34501	1,1-DICHLOROETHYLENE TOTWUG/L	2	0	2	0	2	2
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	2	0	2	0	2	2
34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	2	0	2	0	2	2
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	2	0	2	0	2	2
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	2	0	2	0	2	2
34524	BENZO(GH)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	2	0	2	0	2	2
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	2	0	2	0	2	2
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	2	0	2	0	2	2
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34536	1,2-DICHLOROBENZENE TOTWUG/L	2	0	2	0	2	2
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34541	1,2-DICHLOROPROPANE TOTWUG/L	2	0	2	0	2	2
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	2	0	2	0	2	2
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	2	0	2	0	2	2
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	2	0	2	0	2	2
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	2	0	2	0	2	2
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	2	0	2	0	2	2
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34566	1,3-DICHLOROBENZENE TOTWUG/L	2	0	2	0	2	2
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34571	1,4-DICHLOROBENZENE TOTWUG/L	2	0	2	0	2	2
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	2	0	2	0	2	2
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	2	0	2	0	2	2
34581	2-CHLORONAPHTHALENE TOTWUG/L	2	0	2	0	2	2
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34586	2-CHLOROPHENOL TOTWUG/L	2	0	2	0	2	2
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34591	2-NITROPHENOL TOTWUG/L	2	0	2	0	2	2
34594	2-NITROPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	2	0	2	0	2	2
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	2	0	2	0	2	2
34601	2,4-DICHLOROPHENOL TOTWUG/L	2	0	2	0	2	2
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34606	2,4-DIMETHYLPHENOL TOTWUG/L	2	0	2	0	2	2
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34611	2,4-DINITROTOLUENE TOTWUG/L	2	0	2	0	2	2
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34616	2,4-DINITROPHENOL TOTWUG/L	2	0	2	0	2	2
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	2	0	2	0	2	2
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34626	2,6-DINITROTOLUENE TOTWUG/L	2	0	2	0	2	2
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	2	0	2	0	2	2
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	2	0	2	0	2	2
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	2	0	2	0	2	2
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	2	0	2	0	2	2
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	2	0	2	0	2	2
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	2	0	2	0	2	2
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	2	0	2	0	2	2
34646	4-NITROPHENOL TOTWUG/L	2	0	2	0	2	2
34649	4-NITROPHENOL DRY WGTBOTUG/KG	2	0	2	0	2	2
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	2	0	2	0	2	2
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	2	0	2	0	2	2
34668	DICHLORODIFLUOROMETHANE TOTWUG/L	2	0	2	0	2	2
34671	PCB - 1016 TOTWUG/L	2	0	2	0	2	2
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	2	0	2	0	2	2
34678	2,3,7,8-TETRACHLORODIBENZO-P-DIOXINDRY WGTBOTUG/KG	2	0	2	0	2	2
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	2	0	2	0	2	2
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	2	0	2	0	2	2
34696	NAPHTHALENE TOTWUG/L	2	0	2	0	2	2
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	2	0	2	0	2	2

**Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Parameter Code	Name	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	2	0	2	0	2	2
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	2	2
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	2	0	2	0	2	2
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	14	0	0	14	1	1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	4	2	2	0	4	3
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	1	1
39036	ALKALINITY, FILTERED SAMPLE AS CaCO3 MG/L	27	27	0	0	3	2
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	12	4	8	0	3	3
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	10	4	6	0	1	1
39067	CHLORDANE-TRANS ISOMER, BOTTOM DEPOS (UG/KG DRY SL	10	4	6	0	1	1
39070	CHLORDANE-NONACHLOR, CIS ISO BOTTOM DEPOS UG/KG	5	2	3	0	1	1
39073	CHLORDANE-NONACHLOR, TRANS ISO, BOTTOM DEP UG/KG	10	4	6	0	1	1
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	12	4	8	0	3	3
39086	ALKALINITY, WATER, DISS, INCR TIT, FIELD, AS CaCO3, MG/L	38	38	0	0	2	2
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER, UG/L	2	0	2	0	2	2
39102	BIS(2-ETHYLHEXYL) PHTHALATE, SEDIMENT, DRY WGT, UG/KG	8	0	8	0	3	3
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER, UG/L	2	0	2	0	2	2
39112	DI-N-BUTYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	8	0	8	0	3	3
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2	2
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	2	0	2	0	2	2
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	2	0	2	0	2	2
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	2	0	2	0	2	2
39250	NAPHTHALENES, POLYCHLORINATED (UG/L)	7	0	7	0	1	1
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2	2
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12	4	8	0	3	3
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10	4	6	0	1	1
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2	2
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12	4	8	0	3	3
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10	4	6	0	1	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2	2
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12	4	8	0	3	3
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10	4	6	0	1	1
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6	4
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	56	4	32	20	17	7
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	2	0	2	0	2	2
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	2	0	2	0	2	2
39340	GAMMA-BHC(LINDANE), WHOLE WATER, UG/L	41	0	12	29	4	3
39343	GAMMA-BHC(LINDANE), SEDIMENTS, DRY WGT, UG/KG	33	0	17	16	8	4
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER, UG/L	33	2	10	21	4	2
39351	CHLORDANE(TECH MIX&METABS), SEDIMENTS, DRY WGT, UG/KG	56	4	32	20	17	7
39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	2	0	2	0	2	2
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	41	2	10	29	4	2
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	54	4	30	20	15	5
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	41	2	10	29	4	2
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	54	4	30	20	15	5
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6	4
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	54	4	30	20	15	5
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6	4
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	56	4	32	20	17	7
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	9	2	7	0	3	2
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6	4
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	56	4	32	20	17	7
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	9	0	9	0	1	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	21	2	10	9	4	2
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	46	4	32	10	16	7
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	45	2	13	30	6	4
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	56	4	32	20	17	7
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	45	2	13	30	6	4
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	52	4	32	16	16	7
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	8	2	5	1	3	2
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	27	4	23	0	13	5
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	2	0	2	0	2	2
39491	PCB - 1221 BOT. DEP., PCB SERIES DRY SOL UG/KG	2	0	2	0	2	2
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	2	0	2	0	2	2
39495	PCB - 1232 BOT. DEP., PCB-SERIES DRY SOL UG/KG	2	0	2	0	2	2
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	2	0	2	0	2	2
39499	PCB - 1242 BOT. DEP., PCB-SERIES DRY SOL UG/KG	2	0	2	0	2	2
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	2	0	2	0	2	2
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	0	2	0	2	2

**Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Parameter Code	Name	Total Obs	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	2	0	2	0	2	2
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	0	2	0	2	2
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	2	0	2	0	2	2
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	0	2	0	2	2
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	2	0	2	0	2	2
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	26	2	11	13	4	2
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	50	4	31	15	16	6
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	33	2	11	20	4	2
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	8	4	0	4	2	2
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	32	2	11	19	4	2
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	27	4	19	4	13	5
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	31	2	10	19	4	2
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	23	4	19	0	12	4
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	29	0	10	19	2	1
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	27	4	19	4	13	5
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	4	2	2	0	4	3
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	12	4	8	0	3	3
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	2	0	2	0	2	2
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	2	0	2	0	2	2
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	42	2	12	28	4	2
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	14	4	6	4	2	2
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	42	2	12	28	4	2
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	14	4	6	4	2	2
39755	MIREX, TOTAL (UG/L)	7	0	7	0	1	1
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	2	0	2	0	1	1
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	41	0	12	29	3	2
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	27	4	19	4	13	5
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	5	2	1	2	3	1
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	23	4	15	4	9	3
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	9	0	9	0	1	1
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	9	0	9	0	1	1
60050	ALGAE, TOTAL (CELLS/ML)	28	0	25	3	1	1
70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	38	0	10	28	1	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	304	139	135	30	12	4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	468	0	154	314	5	2
70302	SOLIDS, DISSOLVED-TONS PER DAY	415	0	106	309	3	2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	455	0	120	335	5	2
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	187	93	84	10	2	2
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	7	0	0	7	1	1
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	7	0	0	7	1	1
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	7	0	0	7	1	1
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	2	0	0	2	1	1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	30	30	0	0	3	3
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	13	0	13	0	2	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	21	0	21	0	1	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	327	0	0	327	3	2
71865	IODIDE (MG/L AS I)	9	0	0	9	2	0
71870	BROMIDE (MG/L AS BR)	12	0	0	12	3	1
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	40	2	38	0	2	1
71887	NITROGEN, TOTAL, AS NO3 - MG/L	81	0	69	12	2	1
71890	MERCURY, DISSOLVED (UG/L AS HG)	110	54	41	15	4	3
71895	MERCURY, SUSPENDED (UG/L AS HG)	13	0	13	0	1	1
71900	MERCURY, TOTAL (UG/L AS HG)	95	6	76	13	13	5
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	46	4	41	1	21	8
72053	DAYS SINCE PRECIPITATION EVENT DAYS	5	5	0	0	2	1
74069	FLOW, ESTIMATED STREAM CFS	1	0	1	0	1	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	187	93	84	10	2	2
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	68	0	58	10	2	2
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	1	1
81945	ANTHRACENE&PHENANTHRENE IN WHOLE WATER SAMPLE UG/L	2	0	2	0	2	2
81948	ANTHRACENE&PHENANTHRENE SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	2	2
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	7	0	7	0	2	1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1	1	0	0	1	0
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	2	0	2	0	1	1
82398	SAMPLING METHOD (CODES)	36	6	30	0	2	1
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	1	0	0	1	1	0
84001	GEOLOGIC AGE CODE (SEE USGS CATALOG)	1	0	0	1	1	0

Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	9	121	
BITH0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	14	153	
BITH0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/85-09/18/85	0	12	
BITH0011	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	0	3	
BITH0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	24	262	
BITH0016	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	0	8	
BITH0020	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	0	12	
BITH0021	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	0	12	
BITH0022	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	0	12	
BITH0023	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	0	10	
BITH0030	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	0	4	
BITH0033	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/60-03/08/93	32	185	
BITH0034	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	21	291	
BITH0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	26	207	
BITH0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	21	90	
BITH0038	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	9	85	
BITH0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/89-09/13/89	0	24	
BITH0040	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/90-08/29/91	0	6	
BITH0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/79-04/27/93	13	58	
BITH0001	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	7	93	
BITH0007	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/17/85-09/18/85	0	12	
BITH0015	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	16	194	A
BITH0034	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	14	176	A
BITH0037	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	11	87	
BITH0038	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	8	84	
BITH0041	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/24/79-05/29/85	5	29	
BITH0033	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	10/01/59-12/20/73	14	337	
BITH0035	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	11/01/63-11/09/63	0	4	
BITH0036	No	00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	8	66	
BITH0001	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-08/25/87	4	2	
BITH0015	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/14/74-08/14/74	0	1	
BITH0033	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/72-07/27/92	19	149	
BITH0034	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	19	253	
BITH0036	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	19	151	
BITH0037	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/05/73-09/24/79	5	24	
BITH0038	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/05/73-09/20/77	3	22	
BITH0039	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/89-09/13/89	0	1	
BITH0040	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/13/90-08/29/91	0	6	
BITH0041	No	00062	ELEVATION, RESERVOIR SURFACE WATER IN FEET	09/24/79-08/18/88	8	11	
BITH0033	Yes	00065	STAGE, STREAM (FEET)	11/02/81-08/14/89	7	46	
BITH0036	No	00065	STAGE, STREAM (FEET)	10/15/81-07/24/89	7	64	
BITH0005	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/01/73-08/17/76	2	49	
BITH0015	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/19/68-03/11/80	11	63	
BITH0033	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/70-09/13/78	7	54	
BITH0034	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	8	99	A
BITH0037	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	11	68	
BITH0038	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	8	66	
BITH0033	Yes	00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/31/78-01/19/93	14	83	
BITH0034	Yes	00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/81-07/27/92	10	65	
BITH0001	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/14/82-09/14/82	0	1	
BITH0015	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/19/77-12/14/88	11	40	
BITH0034	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	12	109	A
BITH0037	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/20/77-09/20/77	0	1	
BITH0038	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/20/77-09/20/77	0	1	
BITH0041	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/24/79-08/18/88	8	12	
BITH0005	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	03/07/68-04/28/82	14	34	
BITH0015	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/10/89-06/16/93	4	5	
BITH0034	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/17/89-06/16/93	3	6	
BITH0041	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/21/89-04/27/93	3	4	
BITH0015	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/16/71-08/16/71	0	1	
BITH0033	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	01/01/68-07/28/81	13	76	
BITH0034	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	02/07/85-02/07/85	0	1	
BITH0037	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/12/68-02/07/85	16	3	
BITH0038	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/12/68-08/17/71	2	2	
BITH0015	No	00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12/06/73	0	3	
BITH0034	Yes	00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12/05/73	0	4	
BITH0037	No	00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12/05/73	0	4	
BITH0038	No	00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12/05/73	0	4	
BITH0001	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	9	120	A
BITH0007	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/17/85-09/18/85	0	12	
BITH0011	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	3	
BITH0015	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	21	245	A

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0016	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	7	
BITH0020	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	11	
BITH0021	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	9	
BITH0022	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	9	
BITH0023	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	8	
BITH0030	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	4	
BITH0034	Yes	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	21	204	A
BITH0037	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-05/15/90	18	44	
BITH0038	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-09/20/77	5	39	
BITH0039	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/12/89-09/13/89	0	24	
BITH0041	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/24/79-04/27/93	13	60	
BITH0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-08/25/87	4	2	
BITH0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	14	153	
BITH0011	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	1	
BITH0015	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/68-09/21/87	18	87	
BITH0030	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/59-03/08/93	33	485	T,S
BITH0034	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	20	138	
BITH0035	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/63-11/09/63	0	3	
BITH0036	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	28	223	T,A,S
BITH0037	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	11	71	
BITH0038	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	9	69	
BITH0040	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/13/90-08/29/91	0	6	
BITH0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/24/79-08/24/87	7	11	
BITH0001	No	00300	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	9	118	A
BITH0005	No	00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	14	153	
BITH0007	No	00300	OXYGEN, DISSOLVED MG/L	09/17/85-09/18/85	0	12	
BITH0011	Yes	00300	OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	0	3	
BITH0015	No	00300	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	24	262	A
BITH0016	Yes	00300	OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	0	8	
BITH0020	Yes	00300	OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	0	12	
BITH0021	Yes	00300	OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	0	12	
BITH0022	Yes	00300	OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	0	12	
BITH0023	Yes	00300	OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	0	10	
BITH0030	No	00300	OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	0	4	
BITH0033	Yes	00300	OXYGEN, DISSOLVED MG/L	02/28/68-03/08/93	25	158	S
BITH0034	Yes	00300	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	21	291	A
BITH0037	No	00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	21	90	
BITH0038	No	00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	9	85	
BITH0039	No	00300	OXYGEN, DISSOLVED MG/L	09/12/89-09/13/89	0	24	
BITH0040	Yes	00300	OXYGEN, DISSOLVED MG/L	12/13/90-08/29/91	0	6	
BITH0041	No	00300	OXYGEN, DISSOLVED MG/L	09/24/79-04/27/93	13	61	
BITH0005	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	14	153	
BITH0033	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/28/68-02/01/83	14	98	
BITH0034	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/02/81-02/01/83	1	8	
BITH0001	No	00307	BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0011	Yes	00307	BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0030	No	00307	BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0039	No	00307	BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	09/13/89-09/13/89	0	1	
BITH0001	No	00308	BOD, NITROGEN INHIB., TOTAL, 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0011	Yes	00308	BOD, NITROGEN INHIB., TOTAL, 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0030	No	00308	BOD, NITROGEN INHIB., TOTAL, 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0001	No	00309	BOD, NITROGEN INHIB., DISS., 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0011	Yes	00309	BOD, NITROGEN INHIB., DISS., 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0030	No	00309	BOD, NITROGEN INHIB., DISS., 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0005	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/68-07/25/75	7	25	
BITH0015	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/19/68-06/11/73	4	21	
BITH0033	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	02/28/68-03/08/93	25	158	S
BITH0034	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	10/25/71-07/27/92	20	75	
BITH0037	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/12/68-06/11/73	4	46	
BITH0038	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/12/68-06/11/73	4	46	
BITH0040	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/13/90-08/29/91	0	6	
BITH0001	No	00314	BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0011	Yes	00314	BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0030	No	00314	BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	0	1	
BITH0039	No	00314	BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	09/13/89-09/13/89	0	1	
BITH0005	No	00335	COD, .025N K2CR2O7 MG/L	12/03/69-05/07/73	3	7	
BITH0033	Yes	00335	COD, .025N K2CR2O7 MG/L	10/20/70-08/23/72	1	11	
BITH0034	Yes	00335	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	13	167	A
BITH0034	Yes	00339	COD, BOTTOM DEPOSITS, DRY WEIGHT MG/KG	09/15/76-07/19/84	7	9	
BITH0001	No	00400	PH (STANDARD UNITS)	01/03/78-12/11/87	9	121	A
BITH0005	No	00400	PH (STANDARD UNITS)	03/07/68-04/28/82	14	141	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0007	No	00400	PH (STANDARD UNITS)	09/17/85-09/18/85	0	12	
BITH0011	Yes	00400	PH (STANDARD UNITS)	08/25/87-08/25/87	0	3	
BITH0015	No	00400	PH (STANDARD UNITS)	08/27/70-06/16/93	22	248	A
BITH0016	Yes	00400	PH (STANDARD UNITS)	08/25/87-08/25/87	0	7	
BITH0020	Yes	00400	PH (STANDARD UNITS)	08/25/87-08/25/87	0	12	
BITH0021	Yes	00400	PH (STANDARD UNITS)	08/25/87-08/25/87	0	12	
BITH0022	Yes	00400	PH (STANDARD UNITS)	08/25/87-08/25/87	0	10	
BITH0023	Yes	00400	PH (STANDARD UNITS)	08/25/87-08/25/87	0	9	
BITH0030	No	00400	PH (STANDARD UNITS)	08/25/87-08/25/87	0	4	
BITH0033	Yes	00400	PH (STANDARD UNITS)	10/11/59-03/08/93	33	484	T,S
BITH0034	Yes	00400	PH (STANDARD UNITS)	03/20/72-06/16/93	21	277	A
BITH0035	Yes	00400	PH (STANDARD UNITS)	11/01/63-11/09/63	0	3	
BITH0036	No	00400	PH (STANDARD UNITS)	02/20/64-10/24/79	15	125	A
BITH0037	No	00400	PH (STANDARD UNITS)	07/31/70-05/15/90	19	62	
BITH0038	No	00400	PH (STANDARD UNITS)	07/31/70-09/20/77	7	57	
BITH0039	No	00400	PH (STANDARD UNITS)	09/12/89-09/13/89	0	24	
BITH0040	Yes	00400	PH (STANDARD UNITS)	12/13/90-08/29/91	0	6	
BITH0041	No	00400	PH (STANDARD UNITS)	09/24/79-04/27/93	13	46	
BITH0001	No	00403	PH, LAB, STANDARD UNITS SU	09/14/82-08/25/87	4	2	
BITH0011	Yes	00403	PH, LAB, STANDARD UNITS SU	08/25/87-08/25/87	0	1	
BITH0015	No	00403	PH, LAB, STANDARD UNITS SU	12/19/68-09/21/87	18	85	
BITH0030	No	00403	PH, LAB, STANDARD UNITS SU	08/25/87-08/25/87	0	1	
BITH0033	Yes	00403	PH, LAB, STANDARD UNITS SU	10/20/80-01/19/93	12	74	
BITH0034	Yes	00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	15	69	
BITH0036	No	00403	PH, LAB, STANDARD UNITS SU	11/04/80-08/13/92	11	90	
BITH0037	No	00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	11	70	
BITH0038	No	00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	9	68	
BITH0040	Yes	00403	PH, LAB, STANDARD UNITS SU	12/13/90-08/29/91	0	6	
BITH0041	No	00403	PH, LAB, STANDARD UNITS SU	09/24/79-08/24/87	7	11	
BITH0005	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/01/68-08/17/76	8	19	
BITH0033	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/31/60-07/29/80	19	188	
BITH0036	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/04/70-10/24/79	8	58	
BITH0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/14/82-08/25/87	4	2	
BITH0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/68-08/17/76	8	22	
BITH0006	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/07/68-03/07/68	0	2	
BITH0011	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/87-08/25/87	0	1	
BITH0015	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/09/74-06/16/93	19	75	
BITH0030	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/59-03/08/93	33	370	T,S
BITH0034	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/09/74-06/16/93	19	251	A
BITH0036	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/04/66-08/13/92	26	219	T,A,S
BITH0037	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/09/74-05/15/90	16	27	
BITH0038	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/09/74-09/20/77	3	22	
BITH0039	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/13/89-09/13/89	0	1	
BITH0040	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/13/90-08/29/91	0	6	
BITH0041	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/24/79-04/27/93	13	16	
BITH0015	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	02/25/75-06/15/78	3	15	
BITH0034	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	01/28/75-05/04/78	3	42	
BITH0037	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	02/25/75-09/20/77	2	10	
BITH0038	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	02/25/75-09/20/77	2	10	
BITH0033	Yes	00417	ALKALINITY, FIXED ENDPOINT TITRATION, USGS LAB MG/L	12/10/86-01/27/87	0	2	
BITH0005	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/01/68-08/17/76	8	22	
BITH0006	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/07/68-03/07/68	0	2	
BITH0033	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	10/11/59-01/27/87	27	398	S
BITH0035	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	11/01/63-11/09/63	0	3	
BITH0036	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	16	133	A
BITH0005	No	00445	CARBONATE ION (MG/L AS CO3)	09/05/74-08/17/76	1	11	
BITH0033	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/01/62-01/27/87	24	267	
BITH0035	Yes	00445	CARBONATE ION (MG/L AS CO3)	11/01/63-11/09/63	0	3	
BITH0036	No	00445	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	14	129	A
BITH0033	Yes	00447	CARBONATE, INCREMENTAL TITRATION, (CO3) FIELD MG/L	03/17/87-11/16/87	0	5	
BITH0033	Yes	00450	BICARBONATE, INCREMENTAL TITRATION, (HCO3) FIELD MG/L	03/17/87-11/16/87	0	5	
BITH0033	Yes	00452	CARBONATE, WATER, DISS, INCR TIT, FIELD, AS CO3, MG/L	01/04/88-03/08/93	5	31	
BITH0033	Yes	00453	BICARBONATE, WATER, DISS, INCR TIT, FIELD, AS HCO3, MG/L	01/04/88-03/08/93	5	31	
BITH0034	Yes	00480	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	9	107	A
BITH0034	Yes	00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/15/76-06/07/88	11	13	
BITH0015	No	00500	RESIDUE, TOTAL (MG/L)	01/07/75-06/15/76	1	5	
BITH0034	Yes	00500	RESIDUE, TOTAL (MG/L)	01/28/75-08/10/76	1	20	
BITH0038	No	00500	RESIDUE, TOTAL (MG/L)	03/13/75-06/18/75	0	2	
BITH0015	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/07/75-06/15/76	1	5	
BITH0033	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/20/70-10/25/71	1	7	
BITH0034	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/75-08/10/76	1	20	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0034	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/25/75-02/25/75	0	1	
BITH0001	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/14/82-08/25/87	4	2	
BITH0011	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/25/87-08/25/87	0	1	
BITH0015	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/72-06/16/93	21	77	
BITH0030	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/20/70-07/28/81	10	72	
BITH0034	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	21	175	A
BITH0037	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-05/15/90	18	34	
BITH0038	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-09/20/77	5	27	
BITH0039	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/13/89-09/13/89	0	1	
BITH0041	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/24/79-04/27/93	13	16	
BITH0001	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/14/82-08/25/87	4	2	
BITH0011	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/25/87-08/25/87	0	1	
BITH0015	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/25/72-06/16/93	21	76	
BITH0030	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/08/72-07/28/81	9	65	
BITH0034	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	21	174	A
BITH0037	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-05/15/90	18	33	
BITH0038	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-09/20/77	5	28	
BITH0039	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/13/89-09/13/89	0	1	
BITH0041	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/24/79-04/27/93	13	16	
BITH0033	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/15/79-07/28/81	2	12	
BITH0034	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/19/74-05/04/78	3	48	
BITH0034	Yes	00557	OIL & GREASE, SED, DRY WT, FREON EXTR.-GRAV METH, MG/KG	09/24/75-06/07/88	12	13	
BITH0034	Yes	00561	OIL & GREASE, SED, DRY WT, FREON EXTR.-IR METH, MG/KG	03/27/74-09/15/76	2	8	
BITH0033	Yes	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	11/13/74-08/25/76	1	4	
BITH0033	Yes	00573	BIOMASS, PERIPHYTON, DRY WEIGHT TOTAL (G/M2)	03/19/75-08/25/76	1	3	
BITH0005	No	00600	NITROGEN, TOTAL (MG/L AS N)	09/05/74-04/09/81	6	27	
BITH0033	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	04/26/74-09/21/81	7	54	
BITH0033	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/23/79-09/21/81	1	13	
BITH0005	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/05/74-11/16/81	7	28	
BITH0033	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/70-09/21/81	10	74	
BITH0034	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/27/73-06/27/73	0	1	
BITH0033	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/23/79-09/21/81	1	13	
BITH0033	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/23/79-03/08/93	13	79	
BITH0034	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/02/81-07/27/92	10	66	
BITH0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/82-08/25/87	4	2	
BITH0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/68-04/28/82	13	44	
BITH0011	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0015	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/72-06/16/93	21	82	
BITH0030	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/17/69-07/27/92	22	120	
BITH0034	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	21	239	A
BITH0037	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-05/15/90	18	34	
BITH0038	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-09/20/77	5	29	
BITH0039	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/13/89-09/13/89	0	1	
BITH0040	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/90-08/29/91	0	6	
BITH0041	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/24/79-04/27/93	13	16	
BITH0033	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-03/08/93	7	43	
BITH0034	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-07/27/92	6	42	
BITH0001	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0005	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/68-04/28/82	13	46	
BITH0011	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0015	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/29/88-06/16/93	4	5	
BITH0030	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/17/69-07/27/92	22	80	
BITH0034	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	19	73	
BITH0037	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/89-05/15/90	0	3	
BITH0039	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/13/89-09/13/89	0	1	
BITH0040	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/13/90-08/29/91	0	6	
BITH0041	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/89-04/27/93	3	3	
BITH0033	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/31/60-09/01/67	6	111	
BITH0036	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/04/70-05/28/71	0	5	
BITH0001	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/14/82-08/25/87	4	2	
BITH0005	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/68-04/09/81	13	46	
BITH0011	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0015	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/25/72-06/16/93	21	79	
BITH0030	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/69-05/27/81	11	113	
BITH0034	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	21	195	A
BITH0036	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/02/69-10/29/73	4	42	
BITH0037	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-05/15/90	18	32	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0038	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-09/20/77	5	27	
BITH0039	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/13/89-09/13/89	0	1	
BITH0041	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/24/79-04/27/93	13	15	
BITH0033	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/29/77-07/08/91	13	27	
BITH0034	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/08/91-07/08/91	0	1	
BITH0033	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/26/79-09/21/81	2	17	
BITH0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/74-04/28/82	7	29	
BITH0011	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0015	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/16/93-06/16/93	0	1	
BITH0030	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/26/74-03/08/93	18	120	
BITH0034	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	18	233	A
BITH0039	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/13/89-09/13/89	0	1	
BITH0040	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/13/90-08/29/91	0	6	
BITH0041	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/12/90-04/27/93	2	2	
BITH0034	Yes	00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	03/27/74-06/07/88	14	20	
BITH0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/74-04/28/82	7	29	
BITH0015	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/21/87-09/21/87	0	1	
BITH0033	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/26/74-07/27/92	18	66	
BITH0034	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	14	126	A
BITH0040	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/90-08/29/91	0	6	
BITH0041	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/24/87-08/24/87	0	1	
BITH0033	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/23/79-03/08/93	13	79	
BITH0034	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/02/81-07/27/92	10	66	
BITH0001	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/14/82-09/14/82	0	1	
BITH0005	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/79-04/16/79	0	1	
BITH0015	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/25/72-09/24/85	13	63	
BITH0033	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/13/66-05/15/79	13	63	
BITH0034	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	13	152	A
BITH0037	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/24/79	7	31	
BITH0038	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/16/76	4	28	
BITH0041	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/24/79-05/29/85	5	9	
BITH0001	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/14/82-09/14/82	0	1	
BITH0005	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/01/68-10/01/73	5	11	
BITH0015	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/85	12	57	
BITH0033	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/16/80-02/01/83	2	7	
BITH0034	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	12	151	A
BITH0037	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/79	6	25	
BITH0038	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/16/76	3	22	
BITH0041	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/24/79-05/29/85	5	9	
BITH0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/14/82-08/25/87	4	2	
BITH0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/01/68-04/28/82	13	46	
BITH0011	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/25/87-08/25/87	0	1	
BITH0015	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/72-06/16/93	21	82	
BITH0030	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/69-03/08/93	23	146	
BITH0034	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	21	261	A
BITH0037	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-05/15/90	18	34	
BITH0038	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-09/20/77	5	29	
BITH0039	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/89-09/13/89	0	1	
BITH0040	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/13/90-08/29/91	0	6	
BITH0041	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/24/79-06/20/91	11	15	
BITH0033	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/26/77-03/08/93	15	92	
BITH0034	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/02/81-07/27/92	10	65	
BITH0034	Yes	00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	09/24/75-06/07/88	12	14	
BITH0001	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/14/82-08/25/87	4	2	
BITH0005	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/01/68-10/01/73	5	11	
BITH0011	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/87-08/25/87	0	1	
BITH0015	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	19	75	
BITH0030	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/80-03/08/93	12	67	
BITH0034	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	19	253	A
BITH0037	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-05/15/90	16	28	
BITH0038	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-09/20/77	4	23	
BITH0039	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/89-09/13/89	0	1	
BITH0041	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/24/79-04/27/93	13	15	
BITH0001	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/14/82-09/14/82	0	1	
BITH0005	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/11/72-04/28/82	9	22	
BITH0015	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-06/16/93	19	68	
BITH0033	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/18/72-09/21/81	8	51	
BITH0034	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	19	182	A

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0037	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-05/15/90	16	23	
BITH0038	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-09/20/77	3	17	
BITH0041	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/24/79-04/27/93	13	15	
BITH0033	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/29/77-07/28/81	3	11	
BITH0001	No	00684	CARBON DISSOLVED ORGANIC WHATMAN GF/F MG/L AS C	08/25/87-08/25/87	0	1	
BITH0011	Yes	00684	CARBON DISSOLVED ORGANIC WHATMAN GF/F MG/L AS C	08/25/87-08/25/87	0	1	
BITH0030	No	00684	CARBON DISSOLVED ORGANIC WHATMAN GF/F MG/L AS C	08/25/87-08/25/87	0	1	
BITH0033	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/29/77-07/28/81	3	9	
BITH0008	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	09/23/80-09/23/80	0	1	
BITH0005	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	03/07/68-08/17/76	8	25	
BITH0033	Yes	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/11/59-02/01/83	23	411	
BITH0034	Yes	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/02/81-05/15/90	8	11	
BITH0035	Yes	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/01/63-11/09/63	0	3	
BITH0036	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	19	153	A
BITH0037	No	00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/08/89-05/15/90	0	3	
BITH0005	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	05/01/68-08/17/76	8	23	
BITH0033	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/11/59-02/01/83	23	411	
BITH0035	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	11/01/63-11/09/63	0	3	
BITH0036	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	19	153	A
BITH0005	No	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	03/07/68-08/17/76	8	24	
BITH0033	Yes	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	10/11/59-01/19/93	33	468	T,S
BITH0034	Yes	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	11/02/81-07/27/92	10	66	
BITH0035	Yes	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	11/01/63-11/09/63	0	4	
BITH0036	No	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	28	216	T,A,S
BITH0040	Yes	00915	CALCIUM, DISSOLVED (MG/L AS Ca)	12/13/90-08/29/91	0	6	
BITH0005	No	00925	MAGNESIUM, DISSOLVED (MG/L AS Mg)	03/07/68-08/17/76	8	24	
BITH0033	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS Mg)	10/11/59-01/19/93	33	468	T,S
BITH0034	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS Mg)	11/02/81-07/27/92	10	66	
BITH0035	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS Mg)	11/01/63-11/09/63	0	4	
BITH0036	No	00925	MAGNESIUM, DISSOLVED (MG/L AS Mg)	02/20/64-08/13/92	28	216	T,A,S
BITH0040	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS Mg)	12/13/90-08/29/91	0	6	
BITH0005	No	00930	SODIUM, DISSOLVED (MG/L AS Na)	05/01/68-08/17/76	8	14	
BITH0006	No	00930	SODIUM, DISSOLVED (MG/L AS Na)	03/07/68-03/07/68	0	2	
BITH0033	Yes	00930	SODIUM, DISSOLVED (MG/L AS Na)	10/11/59-01/19/93	33	401	S
BITH0034	Yes	00930	SODIUM, DISSOLVED (MG/L AS Na)	11/02/81-07/27/92	10	66	
BITH0035	Yes	00930	SODIUM, DISSOLVED (MG/L AS Na)	11/01/63-11/09/63	0	4	
BITH0036	No	00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	28	174	T,S
BITH0040	Yes	00930	SODIUM, DISSOLVED (MG/L AS Na)	12/13/90-08/29/91	0	6	
BITH0005	No	00931	SODIUM ADSORPTION RATIO	05/01/68-08/17/76	8	15	
BITH0033	Yes	00931	SODIUM ADSORPTION RATIO	10/11/59-02/01/83	23	405	
BITH0034	Yes	00931	SODIUM ADSORPTION RATIO	11/02/81-02/01/83	1	8	
BITH0035	Yes	00931	SODIUM ADSORPTION RATIO	11/01/63-11/09/63	0	3	
BITH0036	No	00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	19	141	
BITH0005	No	00932	SODIUM, PERCENT	04/08/74-08/17/76	2	14	
BITH0033	Yes	00932	SODIUM, PERCENT	10/11/59-02/01/83	23	225	
BITH0036	No	00932	SODIUM, PERCENT	04/04/66-02/23/83	16	116	
BITH0005	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	12/03/69-04/08/74	4	9	
BITH0033	Yes	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/01/69-02/26/80	10	72	
BITH0036	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/02/69-01/16/80	10	46	
BITH0005	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/08/74-08/17/76	2	13	
BITH0033	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/60-01/19/93	32	203	S
BITH0034	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/02/81-07/27/92	10	66	
BITH0036	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	28	159	S
BITH0040	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/13/90-08/29/91	0	6	
BITH0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/14/82-08/25/87	4	2	
BITH0005	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/01/68-08/17/76	8	22	
BITH0006	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/68-03/07/68	0	2	
BITH0011	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/25/87-08/25/87	0	1	
BITH0015	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/19/68-06/16/93	24	97	
BITH0030	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/25/87-08/25/87	0	1	
BITH0033	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/11/59-01/19/93	33	469	T,S
BITH0034	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/71-06/16/93	21	264	A
BITH0035	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	11/01/63-11/09/63	0	3	
BITH0036	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	28	222	T,A,S
BITH0037	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/68-05/15/90	21	71	
BITH0038	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/68-09/16/76	8	66	
BITH0039	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/13/89-09/13/89	0	1	
BITH0040	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/13/90-08/29/91	0	6	
BITH0041	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/79-04/27/93	13	16	

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Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0015	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/09/72-01/09/74	1	16	
BITH0034	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/09/72-01/09/74	1	16	
BITH0037	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/09/72-01/09/74	1	16	
BITH0001	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/14/82-08/25/87	4	2	
BITH0005	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/01/68-08/17/76	8	22	
BITH0006	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/68-03/07/68	0	2	
BITH0011	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/87-08/25/87	0	1	
BITH0015	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/68-06/16/93	24	93	
BITH0030	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/87-08/25/87	0	1	
BITH0033	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/11/59-01/19/93	33	468	T,S
BITH0034	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	21	263	A
BITH0035	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/01/63-11/09/63	0	3	
BITH0036	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	28	215	T,A,S
BITH0037	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-05/15/90	21	65	
BITH0038	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-09/16/76	8	60	
BITH0039	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/89-09/13/89	0	1	
BITH0040	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/13/90-08/29/91	0	6	
BITH0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/79-04/27/93	13	15	
BITH0005	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/01/68-08/17/76	8	17	
BITH0006	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/07/68-03/07/68	0	2	
BITH0033	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/11/59-01/19/93	33	389	S
BITH0034	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/02/81-07/27/92	10	66	
BITH0035	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/01/63-11/01/63	0	1	
BITH0036	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	28	207	T,A,S
BITH0040	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/13/90-08/29/91	0	6	
BITH0005	No	00955	SILICA, DISSOLVED (MG/L AS SiO2)	03/07/68-08/17/76	8	27	
BITH0033	Yes	00955	SILICA, DISSOLVED (MG/L AS SiO2)	10/11/59-01/19/93	33	468	T,S
BITH0034	Yes	00955	SILICA, DISSOLVED (MG/L AS SiO2)	11/02/81-07/27/92	10	66	
BITH0035	Yes	00955	SILICA, DISSOLVED (MG/L AS SiO2)	11/01/63-11/09/63	0	4	
BITH0036	No	00955	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	28	215	A,S
BITH0040	Yes	00955	SILICA, DISSOLVED (MG/L AS SiO2)	12/13/90-08/29/91	0	6	
BITH0005	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/28/70-10/08/74	4	5	
BITH0033	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/20/70-08/26/91	20	69	
BITH0034	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/02/81-08/26/91	9	39	
BITH0040	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01001	ARSENIC, SUSPENDED (UG/L AS AS)	10/26/77-09/28/82	4	12	
BITH0003	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/21/76-07/21/76	0	1	
BITH0004	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	0	1	
BITH0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/22/76-07/22/76	0	1	
BITH0027	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	0	1	
BITH0028	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	0	1	
BITH0031	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	16	61	
BITH0037	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/31/70-05/15/90	19	5	
BITH0038	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/31/70-08/03/77	7	2	
BITH0002	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	0	2	
BITH0005	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/11/72-09/11/72	0	1	
BITH0008	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/24/75-06/07/88	12	14	
BITH0033	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	04/13/77-01/19/93	15	56	
BITH0034	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	11/02/81-07/27/92	10	43	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0040	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01006	BARIUM, SUSPENDED (UG/L AS BA)	10/26/77-09/28/82	4	13	
BITH0033	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	10/26/77-09/28/82	4	15	
BITH0034	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	04/22/74-09/28/82	8	8	
BITH0037	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/03/77-08/03/77	0	1	
BITH0038	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/03/77-08/03/77	0	1	
BITH0034	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	06/16/77-06/07/88	10	8	
BITH0033	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/16/82-08/26/91	8	35	
BITH0034	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/16/82-08/26/91	8	35	
BITH0040	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/13/90-08/29/91	0	2	
BITH0008	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/23/80-09/23/80	0	1	
BITH0008	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	09/23/80-09/23/80	0	1	
BITH0005	No	01020	BORON, DISSOLVED (UG/L AS B)	05/01/68-05/07/73	5	8	
BITH0006	No	01020	BORON, DISSOLVED (UG/L AS B)	03/07/68-03/07/68	0	2	
BITH0033	Yes	01020	BORON, DISSOLVED (UG/L AS B)	04/26/74-06/23/76	2	7	
BITH0034	Yes	01022	BORON, TOTAL (UG/L AS B)	04/22/74-06/13/79	5	4	
BITH0005	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/70-10/08/74	4	5	
BITH0033	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/20/70-08/26/91	20	69	
BITH0034	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/02/81-08/26/91	9	39	
BITH0040	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01026	CADMIUM, SUSPENDED (UG/L AS CD)	10/26/77-03/09/82	4	9	
BITH0003	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/21/76-07/21/76	0	1	
BITH0004	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	0	1	
BITH0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/76-07/22/76	0	1	
BITH0027	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	0	1	
BITH0028	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	0	1	
BITH0031	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	16	61	
BITH0037	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/70-05/15/90	19	5	
BITH0038	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/70-08/03/77	7	2	
BITH0002	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0008	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	12	14	
BITH0002	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0008	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0028	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	12	14	
BITH0005	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/28/70-10/08/74	4	4	
BITH0033	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/20/70-08/26/91	20	69	
BITH0034	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/02/81-08/26/91	9	39	
BITH0040	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01031	CHROMIUM, SUSPEND (UG/L AS CR)	10/26/77-07/28/81	3	11	
BITH0033	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/20/70-10/20/70	0	1	
BITH0003	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/21/76-07/21/76	0	1	
BITH0004	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	0	1	
BITH0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/76-07/22/76	0	1	
BITH0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	0	1	
BITH0028	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	0	1	
BITH0031	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/22/71-09/28/82	11	22	
BITH0034	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	16	61	
BITH0037	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/77-05/15/90	12	4	
BITH0038	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/77-08/03/77	0	1	
BITH0005	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/01/73-10/08/74	1	3	
BITH0033	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	10/20/70-01/19/93	22	74	
BITH0034	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	11/02/81-07/27/92	10	43	
BITH0040	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01036	COBALT, SUSPENDED (UG/L AS CO)	10/26/77-03/09/82	4	9	
BITH0033	Yes	01037	COBALT, TOTAL (UG/L AS CO)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01037	COBALT, TOTAL (UG/L AS CO)	11/02/81-09/28/82	0	4	
BITH0005	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/11/72-09/11/72	0	1	
BITH0005	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/28/70-10/08/74	4	5	
BITH0033	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	04/01/66-08/26/91	25	72	S
BITH0034	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	11/02/81-08/26/91	9	39	
BITH0040	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01041	COPPER, SUSPENDED (UG/L AS CU)	10/26/77-09/28/82	4	15	
BITH0003	No	01042	COPPER, TOTAL (UG/L AS CU)	07/21/76-07/21/76	0	1	
BITH0004	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	0	1	
BITH0017	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/76-07/22/76	0	1	
BITH0027	No	01042	COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	0	1	
BITH0028	No	01042	COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	0	1	
BITH0031	No	01042	COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/22/74-05/15/90	16	13	
BITH0037	No	01042	COPPER, TOTAL (UG/L AS CU)	08/03/77-05/15/90	12	4	
BITH0038	No	01042	COPPER, TOTAL (UG/L AS CU)	08/03/77-08/03/77	0	1	
BITH0002	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	0	2	
BITH0005	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/11/72-09/11/72	0	1	
BITH0008	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/24/75-06/07/88	12	14	
BITH0033	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	04/03/78-09/28/82	4	13	
BITH0033	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/23/74-09/28/82	7	20	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0034	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	8	58	
BITH0037	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/77-08/03/77	0	1	
BITH0038	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/77-08/03/77	0	1	
BITH0005	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/70-10/08/74	4	5	
BITH0033	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	05/09/66-01/19/93	26	76	S
BITH0034	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	11/02/81-07/27/92	10	43	
BITH0040	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	12/13/90-08/29/91	0	2	
BITH0005	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/28/70-10/08/74	4	5	
BITH0033	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/01/66-08/26/91	25	68	S
BITH0034	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	11/02/81-08/26/91	9	39	
BITH0040	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01050	LEAD, SUSPENDED (UG/L AS PB)	10/26/77-09/28/82	4	14	
BITH0003	No	01051	LEAD, TOTAL (UG/L AS PB)	07/21/76-07/21/76	0	1	
BITH0004	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	0	1	
BITH0017	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/76-07/22/76	0	1	
BITH0027	No	01051	LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	0	1	
BITH0028	No	01051	LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	0	1	
BITH0031	No	01051	LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	16	61	
BITH0037	No	01051	LEAD, TOTAL (UG/L AS PB)	07/31/70-05/15/90	19	5	
BITH0038	No	01051	LEAD, TOTAL (UG/L AS PB)	07/31/70-08/03/77	7	2	
BITH0002	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	0	2	
BITH0005	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/11/72-09/11/72	0	1	
BITH0008	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/24/75-06/07/88	12	14	
BITH0002	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0005	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/11/72-09/11/72	0	1	
BITH0010	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/24/75-06/07/88	12	14	
BITH0033	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/26/77-09/28/82	4	15	
BITH0003	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/76-07/21/76	0	1	
BITH0004	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/76-07/22/76	0	1	
BITH0013	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	0	1	
BITH0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/76-07/22/76	0	1	
BITH0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	0	1	
BITH0028	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0031	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	04/22/74-09/28/82	8	10	
BITH0037	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/77-02/07/85	7	2	
BITH0038	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/77-08/03/77	0	1	
BITH0005	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/70-10/08/74	4	5	
BITH0033	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/01/66-01/19/93	26	77	S
BITH0034	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/02/81-07/27/92	10	43	
BITH0040	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/13/90-08/29/91	0	2	
BITH0008	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	09/23/80-09/23/80	0	1	
BITH0033	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-01/19/93	10	40	
BITH0034	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-07/27/92	9	39	
BITH0040	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/13/90-08/29/91	0	2	
BITH0005	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/73-10/08/74	1	3	
BITH0033	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/01/66-01/19/93	26	67	S
BITH0034	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/02/81-07/27/92	10	43	
BITH0040	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01066	NICKEL, SUSPENDED (UG/L AS NI)	01/15/80-07/07/82	2	8	
BITH0003	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/21/76-07/21/76	0	1	
BITH0004	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	0	1	
BITH0017	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/22/76-07/22/76	0	1	
BITH0027	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	0	1	
BITH0028	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	0	1	
BITH0031	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	01/15/80-09/28/82	2	9	
BITH0034	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/22/74-05/15/90	16	14	
BITH0037	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/03/77-05/15/90	12	4	
BITH0038	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/03/77-08/03/77	0	1	
BITH0002	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0008	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	12	14	
BITH0033	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	04/13/77-01/19/93	15	56	
BITH0034	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	11/02/81-07/27/92	10	43	
BITH0040	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01076	SILVER, SUSPENDED (UG/L AS AG)	10/26/77-07/28/81	3	11	
BITH0003	No	01077	SILVER, TOTAL (UG/L AS AG)	07/21/76-07/21/76	0	1	
BITH0004	No	01077	SILVER, TOTAL (UG/L AS AG)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01077	SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	0	1	
BITH0017	No	01077	SILVER, TOTAL (UG/L AS AG)	07/22/76-07/22/76	0	1	
BITH0027	No	01077	SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	0	1	
BITH0028	No	01077	SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	0	1	
BITH0031	No	01077	SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01077	SILVER, TOTAL (UG/L AS AG)	10/26/77-09/28/82	4	16	
BITH0034	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/22/74-05/15/90	16	12	
BITH0037	No	01077	SILVER, TOTAL (UG/L AS AG)	08/03/77-05/15/90	12	4	
BITH0038	No	01077	SILVER, TOTAL (UG/L AS AG)	08/03/77-08/03/77	0	1	
BITH0002	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	0	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0008	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/24/75-06/07/88	12	14	
BITH0005	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/68-10/08/74	6	8	
BITH0033	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	04/01/66-01/19/93	26	61	S
BITH0034	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-07/27/92	9	39	
BITH0040	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-01/19/93	10	40	
BITH0034	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-07/27/92	9	39	
BITH0040	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	12/13/90-08/29/91	0	2	
BITH0005	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/11/72-10/08/74	2	4	
BITH0033	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/01/66-08/26/91	25	71	S
BITH0034	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/02/81-08/26/91	9	39	
BITH0040	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01091	ZINC, SUSPENDED (UG/L AS ZN)	10/26/77-09/28/82	4	15	
BITH0003	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/21/76-07/21/76	0	1	
BITH0004	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	0	1	
BITH0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/76-07/22/76	0	1	
BITH0027	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	0	1	
BITH0028	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	0	1	
BITH0031	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	16	61	
BITH0037	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/03/77-05/15/90	12	4	
BITH0038	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/03/77-08/03/77	0	1	
BITH0002	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0005	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/11/72-09/11/72	0	1	
BITH0008	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/24/75-06/07/88	12	14	
BITH0008	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/23/80-09/23/80	0	1	
BITH0008	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	09/23/80-09/23/80	0	1	
BITH0005	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/08/74-10/08/74	0	2	
BITH0033	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/01/66-01/19/93	26	60	S
BITH0034	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-07/27/92	9	38	
BITH0005	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/07/68-10/08/74	6	8	
BITH0033	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	04/01/66-01/19/93	26	61	S

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0034	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-07/27/92	9	39	
BITH0040	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/23/74-01/19/93	18	60	
BITH0034	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/02/81-07/27/92	10	43	
BITH0040	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/13/90-08/29/91	0	2	
BITH0033	Yes	01146	SELENIUM, SUSPENDED (UG/L AS SE)	10/26/77-07/28/81	3	11	
BITH0003	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/21/76-07/21/76	0	1	
BITH0004	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/22/76-07/22/76	0	1	
BITH0008	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	09/23/80-09/23/80	0	1	
BITH0013	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	0	1	
BITH0017	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/22/76-07/22/76	0	1	
BITH0027	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	0	1	
BITH0028	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	0	1	
BITH0031	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	0	1	
BITH0033	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/23/74-09/28/82	7	20	
BITH0034	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	04/22/74-05/15/90	16	13	
BITH0037	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/03/77-05/15/90	12	4	
BITH0038	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/03/77-08/03/77	0	1	
BITH0002	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	0	2	
BITH0008	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/75-10/09/75	0	1	
BITH0026	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/15/76-06/07/88	11	14	
BITH0005	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/11/72-09/11/72	0	1	
BITH0005	No	31501	COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	09/11/72-07/25/75	2	9	
BITH0015	No	31501	COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	09/13/73-09/13/73	0	1	
BITH0033	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	10/23/74-05/10/78	3	27	
BITH0034	Yes	31501	COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	09/13/73-11/10/83	10	2	
BITH0037	No	31501	COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	09/13/73-09/13/73	0	1	
BITH0038	No	31501	COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	09/13/73-09/13/73	0	1	
BITH0015	No	31505	COLIFORM,TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	05/17/72-06/11/73	1	5	
BITH0034	Yes	31505	COLIFORM,TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	02/28/72-06/11/73	1	6	
BITH0037	No	31505	COLIFORM,TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	02/28/72-06/11/73	1	6	
BITH0038	No	31505	COLIFORM,TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	02/28/72-06/11/73	1	6	
BITH0001	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/03/78-08/25/87	9	38	
BITH0005	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/11/72-07/25/75	2	8	
BITH0015	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	19	68	
BITH0016	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/87-08/25/87	0	1	
BITH0030	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/87-08/25/87	0	1	
BITH0033	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	10/23/74-09/14/76	1	14	
BITH0034	Yes	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	19	140	A
BITH0037	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-05/15/90	16	19	
BITH0038	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-09/20/77	4	14	
BITH0039	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/89-09/13/89	0	1	
BITH0041	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/24/79-04/27/93	13	15	
BITH0015	No	31619	FECAL COLIFORM, MPN, BORIC ACID LACTOSE BR, 43C, 48HR	05/17/72-06/11/73	1	5	
BITH0034	Yes	31619	FECAL COLIFORM, MPN, BORIC ACID LACTOSE BR, 43C, 48HR	02/28/72-06/11/73	1	6	
BITH0037	No	31619	FECAL COLIFORM, MPN, BORIC ACID LACTOSE BR, 43C, 48HR	02/28/72-06/11/73	1	6	
BITH0038	No	31619	FECAL COLIFORM, MPN, BORIC ACID LACTOSE BR, 43C, 48HR	02/28/72-06/11/73	1	6	
BITH0033	Yes	31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	11/08/76-03/08/93	16	102	
BITH0034	Yes	31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	11/02/81-07/27/92	10	66	
BITH0033	Yes	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/08/76-03/08/93	16	102	
BITH0034	Yes	31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/02/81-07/27/92	10	66	
BITH0001	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	02/12/85-06/16/87	2	26	
BITH0005	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	09/11/72-07/25/75	2	9	
BITH0015	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	09/27/72-09/27/72	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0033	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/74-09/14/76	1	14	
BITH0034	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/27/72-09/27/72	0	1	
BITH0037	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/27/72-09/27/72	0	1	
BITH0038	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/27/72-09/27/72	0	1	
BITH0008	Yes	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	32104	BROMOFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	32104	BROMOFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	32106	CHLOROFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	32106	CHLOROFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0001	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/14/82-08/25/87	4	2	
BITH0011	Yes	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	0	1	
BITH0015	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/25/72-06/16/93	21	68	
BITH0030	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	0	1	
BITH0034	Yes	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	21	149	A
BITH0037	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-05/15/90	18	26	
BITH0039	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/13/89-09/13/89	0	1	
BITH0041	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/24/79-04/27/93	13	12	
BITH0001	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/14/82-08/25/87	4	2	
BITH0011	Yes	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	0	1	
BITH0015	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12/21/76-06/16/93	16	49	
BITH0030	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	0	1	
BITH0034	Yes	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	16	127	A
BITH0037	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/16/76-05/15/90	13	8	
BITH0039	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/13/89-09/13/89	0	1	
BITH0041	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/24/79-04/27/93	13	12	
BITH0038	No	32222	CHLOROPHYLL A IN BOTTOM DEPOSITS (UG/KG DRY WGT)	09/16/76-09/20/77	1	2	
BITH0033	Yes	32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	11/13/74-08/25/76	1	4	
BITH0033	Yes	32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	11/13/74-08/25/76	1	4	
BITH0005	No	32230	CHLOROPHYLL A (MG/L)	04/07/75-05/20/75	0	2	
BITH0038	No	32230	CHLOROPHYLL A (MG/L)	02/28/72-09/20/77	5	20	
BITH0005	No	32231	CHLOROPHYLL B (MG/L)	04/07/75-05/20/75	0	2	
BITH0005	No	32232	CHLOROPHYLL C (MG/L)	04/07/75-05/20/75	0	2	
BITH0033	Yes	32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	11/13/74-11/13/74	0	1	
BITH0037	No	32240	TANNIN AND LIGNIN (MG/L)	02/07/85-02/07/85	0	1	
BITH0005	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/11/72-07/25/75	2	6	
BITH0008	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0033	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/20/70-08/23/72	1	11	
BITH0008	Yes	32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0008	Yes	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	0	1	
BITH0008	Yes	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	0	1	
BITH0008	Yes	34200	ACENAPHTHYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34200	ACENAPHTHYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34205	ACENAPHTHENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34205	ACENAPHTHENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34208	ACENAPHTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34210	ACROLEIN TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34210	ACROLEIN TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34213	ACROLEIN DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34213	ACROLEIN DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34215	ACRYLONITRILE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34215	ACRYLONITRILE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34218	ACRYLONITRILE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34218	ACRYLONITRILE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34237	BENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	

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From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0009	Yes	34237	BENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34247	BENZO-A-PYRENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34247	BENZO-A-PYRENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34257	B-BHC-BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34257	B-BHC-BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34290	BROMOFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34290	BROMOFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER, UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER, UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34295	N-BUTYL BENZYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34295	N-BUTYL BENZYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34301	CHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34301	CHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34304	CHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34304	CHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34311	CHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34311	CHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34314	CHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34314	CHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34318	CHLOROFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34318	CHLOROFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34320	CHRYSENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34320	CHRYSENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34323	CHRYSENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34336	DIETHYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34336	DIETHYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34341	DIMETHYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34341	DIMETHYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34351	ENDOSULFAN SULFATE TOTWUG/L	09/23/80-09/23/80	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0009	Yes	34351	ENDOSULFAN SULFATE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34356	ENDOSULFAN, BETA TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34356	ENDOSULFAN, BETA TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34361	ENDOSULFAN, ALPHA TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34361	ENDOSULFAN, ALPHA TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34366	ENDRIN ALDEHYDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34366	ENDRIN ALDEHYDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34371	ETHYLBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34371	ETHYLBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34374	ETHYLBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34374	ETHYLBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34376	FLUORANTHENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34376	FLUORANTHENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34379	FLUORANTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34381	FLUORENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34381	FLUORENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34384	FLUORENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34384	FLUORENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34396	HEXACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34396	HEXACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34408	ISOPHORONE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34408	ISOPHORONE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34411	ISOPHORONE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34413	METHYL BROMIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34413	METHYL BROMIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34416	METHYL BROMIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34416	METHYL BROMIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34418	METHYL CHLORIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34418	METHYL CHLORIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34421	METHYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34421	METHYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34423	METHYLENE CHLORIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34423	METHYLENE CHLORIDE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34438	N-NITROSODIMETHYLAMINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34438	N-NITROSODIMETHYLAMINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34445	NAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34447	NITROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34447	NITROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0009	Yes	34450	NITROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34452	PARACHLOROMETA CRESOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34452	PARACHLOROMETA CRESOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34469	PYRENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34469	PYRENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34472	PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34472	PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34475	TETRACHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34475	TETRACHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34480	THALLIUM DRY WGTBOTMG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34480	THALLIUM DRY WGTBOTMG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34483	TOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34483	TOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34495	VINYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34495	VINYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34496	1,1-DICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34496	1,1-DICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34524	BENZO(GH)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34524	BENZO(GH)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34541	1,2-DICHLOROPROPANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34541	1,2-DICHLOROPROPANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0009	Yes	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34566	1,3-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34566	1,3-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34581	2-CHLORONAPHTHALENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34581	2-CHLORONAPHTHALENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34586	2-CHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34586	2-CHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34591	2-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34591	2-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34594	2-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34601	2,4-DICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34601	2,4-DICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34606	2,4-DIMETHYLPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34606	2,4-DIMETHYLPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34611	2,4-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34611	2,4-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34616	2,4-DINITROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34616	2,4-DINITROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34626	2,6-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34626	2,6-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34646	4-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34646	4-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34649	4-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	09/23/80-09/23/80	0	1	

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Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0009	Yes	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34668	DICHLORODIFUOROMETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34668	DICHLORODIFUOROMETHANE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34671	PCB - 1016 TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34671	PCB - 1016 TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34678	2,3,7,8-TETRACHLORODIBENZO-P-DIOXINDRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34678	2,3,7,8-TETRACHLORODIBENZO-P-DIOXINDRY WGTBOTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34696	NAPHTHALENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34696	NAPHTHALENE TOTWUG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	09/23/80-09/23/80	0	1	
BITH0033	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/01/66-08/23/72	6	14	
BITH0008	Yes	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0034	Yes	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	11/08/89-11/08/89	0	1	
BITH0037	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	11/08/89-11/08/89	0	1	
BITH0033	Yes	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	02/26/79-07/28/81	2	5	
BITH0033	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CaCO3 MG/L	04/16/90-04/09/91	0	2	
BITH0036	No	39036	ALKALINITY,FILTERED SAMPLE AS CaCO3 MG/L	10/30/89-08/13/92	2	19	
BITH0040	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CaCO3 MG/L	12/13/90-08/29/91	0	6	
BITH0008	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0034	Yes	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/13/79-06/07/88	8	10	
BITH0034	Yes	39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	06/13/79-06/07/88	8	10	
BITH0034	Yes	39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	06/13/79-06/07/88	8	10	
BITH0034	Yes	39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	06/13/80-06/07/88	7	5	
BITH0034	Yes	39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	06/13/79-06/07/88	8	10	
BITH0008	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	09/23/80-09/23/80	0	1	
BITH0034	Yes	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	06/13/79-06/07/88	8	10	
BITH0033	Yes	39086	ALKALINITY, WATER, DISS, INCR TIT, FIELD, AS CaCO3, MG/L	11/13/89-03/08/93	3	20	
BITH0034	Yes	39086	ALKALINITY, WATER, DISS, INCR TIT, FIELD, AS CaCO3, MG/L	11/13/89-07/27/92	2	18	
BITH0008	Yes	39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER, UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER, UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE, SEDIMENT, DRY WGT, UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE, SEDIMENT, DRY WGT, UG/KG	09/23/80-09/23/80	0	1	
BITH0034	Yes	39102	BIS(2-ETHYLHEXYL) PHTHALATE, SEDIMENT, DRY WGT, UG/KG	06/13/79-07/19/84	5	6	
BITH0008	Yes	39110	DI-N-BUTYL PHTHALATE, WHOLE WATER, UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39110	DI-N-BUTYL PHTHALATE, WHOLE WATER, UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39112	DI-N-BUTYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39112	DI-N-BUTYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	09/23/80-09/23/80	0	1	
BITH0034	Yes	39112	DI-N-BUTYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	06/13/79-07/19/84	5	6	
BITH0008	Yes	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0008	Yes	39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	09/23/80-09/23/80	0	1	
BITH0009	Yes	39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	09/23/80-09/23/80	0	1	
BITH0008	Yes	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	0	1	
BITH0033	Yes	39250	NAPHTHALENES, POLYCHLORINATED (UG/L)	06/23/76-07/28/81	5	7	
BITH0033	Yes	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	01/20/81-07/28/81	0	2	
BITH0008	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0008	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0034	Yes	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0034	Yes	39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	

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Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0008	Yes	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0008	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0034	Yes	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0034	Yes	39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0008	Yes	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0008	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0034	Yes	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0034	Yes	39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0005	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0008	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0033	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0005	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	0	1	
BITH0008	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0012	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0008	Yes	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	0	1	
BITH0009	Yes	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	0	1	
BITH0008	Yes	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	0	1	
BITH0009	Yes	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	0	1	
BITH0005	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	10/01/73-10/08/74	1	2	
BITH0008	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/23/80-09/23/80	0	1	
BITH0033	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/28/68-07/28/81	13	37	
BITH0003	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	07/21/76-07/21/76	0	1	
BITH0004	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	07/22/76-07/22/76	0	1	
BITH0005	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/01/73-10/01/73	0	1	
BITH0008	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	0	1	
BITH0013	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	07/20/76-07/20/76	0	1	
BITH0017	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	07/22/76-07/22/76	0	1	
BITH0033	Yes	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/20/70-07/28/81	10	26	
BITH0005	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/01/73-10/08/74	1	2	
BITH0033	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/30/70-07/28/81	11	29	
BITH0034	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	11/08/89-11/08/89	0	1	
BITH0037	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	11/08/89-11/08/89	0	1	
BITH0002	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	0	1	
BITH0003	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/21/76-07/21/76	0	1	
BITH0004	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/22/76-07/22/76	0	1	
BITH0005	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/01/73-10/01/73	0	1	
BITH0008	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	0	1	
BITH0012	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	0	1	
BITH0013	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/20/76-07/20/76	0	1	
BITH0014	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	0	1	
BITH0017	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/22/76-07/22/76	0	1	
BITH0018	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	0	1	
BITH0019	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	0	1	
BITH0026	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	0	1	
BITH0029	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	0	1	
BITH0032	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/03/70-06/07/71	0	4	
BITH0033	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/20/70-07/28/81	10	26	
BITH0034	Yes	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/16/77-06/07/88	10	12	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0008	Yes	39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	09/23/80-09/23/80	0	1	
BITH0009	Yes	39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	09/23/80-09/23/80	0	1	
BITH0005	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0005	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	0	1	
BITH0012	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0005	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	0	1	
BITH0012	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0008	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0033	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0005	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	0	1	
BITH0012	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0008	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0033	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0003	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/21/76-07/21/76	0	1	
BITH0004	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0005	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/01/73-10/01/73	0	1	
BITH0008	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0009	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	0	1	
BITH0012	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0017	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0018	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0026	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0029	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0032	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	10	12	
BITH0033	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	04/13/77-07/28/81	4	7	
BITH0034	Yes	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0033	Yes	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/20/81-07/28/81	0	2	
BITH0005	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0008	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0033	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0005	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	0	1	
BITH0008	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0012	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0033	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	12/17/75-07/28/81	5	9	
BITH0005	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	10/08/74-10/08/74	0	1	
BITH0033	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	10/20/70-07/28/81	10	18	
BITH0034	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0003	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/21/76-07/21/76	0	1	
BITH0004	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0008	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	0	1	
BITH0012	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0017	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0018	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0026	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0029	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0032	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/20/70-07/28/81	10	17	
BITH0034	Yes	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	10	12	
BITH0005	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0008	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0033	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0005	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	0	1	
BITH0008	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0012	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0008	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0033	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0003	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/21/76-07/21/76	0	1	
BITH0004	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0005	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/01/73-10/01/73	0	1	
BITH0008	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/23/80-09/23/80	0	1	
BITH0012	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0017	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0018	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0026	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0029	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0033	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/20/70-07/28/81	10	26	
BITH0034	Yes	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/16/77-06/07/88	10	12	
BITH0033	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	02/26/80-07/28/81	1	4	
BITH0034	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0003	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/21/76-07/21/76	0	1	
BITH0004	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0012	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0017	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/22/76-07/22/76	0	1	
BITH0018	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0026	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0029	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	0	1	
BITH0033	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	02/26/80-07/28/81	1	4	
BITH0034	Yes	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/16/77-06/07/88	10	12	
BITH0008	Yes	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	0	1	

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Station/Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0009	Yes	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	0	1	
BITH0008	Yes	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/23/80-09/23/80	0	1	
BITH0005	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/18/72-07/28/81	8	20	
BITH0034	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0005	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/01/73-10/01/73	0	1	
BITH0009	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0012	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0033	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/72-07/28/81	9	21	
BITH0034	Yes	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	10	27	
BITH0034	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0033	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-08/17/71	0	4	
BITH0034	Yes	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/15/85-06/07/88	3	4	
BITH0005	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	10	26	
BITH0034	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0012	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0033	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-08/17/71	0	4	
BITH0034	Yes	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	10	27	
BITH0034	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0012	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0034	Yes	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	10	27	
BITH0002	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0012	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 10/01/59 To 06/16/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0019	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0033	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/20/70-08/17/71	0	4	
BITH0034	Yes	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0008	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	0	1	
BITH0034	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0037	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0008	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	0	1	
BITH0034	Yes	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0008	Yes	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	09/23/80-09/23/80	0	1	
BITH0008	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0005	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	36	
BITH0034	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0033	Yes	39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/20/70-08/17/71	0	4	
BITH0034	Yes	39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0005	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	36	
BITH0034	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0033	Yes	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/20/70-08/17/71	0	4	
BITH0034	Yes	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	8	10	
BITH0033	Yes	39755	MIREX, TOTAL (UG/L)	10/26/77-07/28/81	3	7	
BITH0033	Yes	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	01/20/81-07/28/81	0	2	
BITH0005	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	1	2	
BITH0033	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	13	37	
BITH0034	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/20/74-09/24/75	1	2	
BITH0002	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0003	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/21/76-07/21/76	0	1	
BITH0004	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0012	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0013	Yes	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/20/76-07/20/76	0	1	
BITH0014	Yes	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0017	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	0	1	
BITH0018	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0033	Yes	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/20/70-08/17/71	0	4	
BITH0034	Yes	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0005	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/01/73	0	1	
BITH0034	Yes	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	15	3	
BITH0037	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	0	1	
BITH0002	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0012	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0014	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0018	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0019	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0026	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0029	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	0	1	
BITH0032	No	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/03/70-06/07/71	0	4	
BITH0034	Yes	39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	10	12	
BITH0033	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/17/75-07/28/81	5	9	
BITH0033	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/17/75-07/28/81	5	9	
BITH0033	Yes	60050	ALGAE, TOTAL (CELLS/ML)	10/23/74-09/21/81	6	28	
BITH0038	No	70295	RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	02/28/72-09/16/76	4	38	
BITH0001	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/25/87-08/25/87	0	1	
BITH0005	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/05/74-09/05/74	0	1	
BITH0011	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/25/87-08/25/87	0	1	
BITH0015	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/19/77-09/07/78	0	5	
BITH0030	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/25/87-08/25/87	0	1	
BITH0033	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/60-01/19/93	32	113	S
BITH0034	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	14	155	A
BITH0035	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/01/63-11/09/63	0	3	
BITH0036	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/20/64-09/29/67	3	20	
BITH0037	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/20/77-09/07/78	0	2	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0038	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/20/77-09/20/77	0	1	
BITH0039	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/13/89-09/13/89	0	1	
BITH0005	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/01/68-08/17/76	8	22	
BITH0006	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/07/68-03/07/68	0	2	
BITH0033	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/31/60-02/01/83	22	281	
BITH0034	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/11/74-02/01/83	8	39	
BITH0036	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	15	124	A
BITH0033	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/11/60-09/28/82	21	280	
BITH0035	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/01/63-11/09/63	0	3	
BITH0036	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	16	132	
BITH0005	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/01/68-08/17/76	8	23	
BITH0006	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/07/68-03/07/68	0	2	
BITH0033	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/11/60-02/01/83	22	282	
BITH0035	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/01/63-11/09/63	0	3	
BITH0036	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	19	145	A
BITH0033	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/05/60-07/27/92	31	121	S
BITH0034	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/02/81-07/27/92	10	66	
BITH0033	Yes	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	10/05/60-05/10/61	0	7	
BITH0033	Yes	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	10/05/60-05/10/61	0	7	
BITH0033	Yes	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	10/05/60-05/10/61	0	7	
BITH0033	Yes	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	12/21/60-05/10/61	0	2	
BITH0033	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/90-07/27/92	1	12	
BITH0034	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/90-07/27/92	1	12	
BITH0040	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/13/90-08/29/91	0	6	
BITH0005	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/16/79-11/06/80	1	4	
BITH0033	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/15/79-12/16/80	1	9	
BITH0033	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/23/79-02/01/83	3	21	
BITH0033	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/11/59-09/01/69	9	285	
BITH0035	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/01/63-11/09/63	0	3	
BITH0036	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/20/64-05/28/71	7	39	
BITH0005	No	71865	IODIDE (MG/L AS I)	12/03/69-05/07/73	3	7	
BITH0006	No	71865	IODIDE (MG/L AS I)	03/07/68-03/07/68	0	2	
BITH0005	No	71870	BROMIDE (MG/L AS BR)	12/03/69-05/07/73	3	7	
BITH0006	No	71870	BROMIDE (MG/L AS BR)	03/07/68-03/07/68	0	2	
BITH0035	Yes	71870	BROMIDE (MG/L AS BR)	11/01/63-11/09/63	0	3	
BITH0005	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/16/79-04/28/82	3	7	
BITH0033	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/15/79-09/09/85	6	33	
BITH0005	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	09/05/74-04/09/81	6	27	
BITH0033	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	04/26/74-09/21/81	7	54	
BITH0005	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/28/70-10/08/74	4	4	
BITH0033	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/70-08/26/91	20	65	
BITH0034	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	11/02/81-08/26/91	9	39	
BITH0040	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/13/90-08/29/91	0	2	
BITH0033	Yes	71895	MERCURY, SUSPENDED (UG/L AS HG)	10/26/77-07/07/82	4	13	
BITH0003	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/21/76-07/21/76	0	1	
BITH0004	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/22/76-07/22/76	0	1	
BITH0008	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	09/23/80-09/23/80	0	1	
BITH0009	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	09/23/80-09/23/80	0	1	
BITH0013	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	0	1	
BITH0017	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/22/76-07/22/76	0	1	
BITH0027	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	0	1	
BITH0028	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	0	1	
BITH0031	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	0	1	
BITH0033	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/23/74-09/28/82	7	20	
BITH0034	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	16	60	
BITH0037	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-05/15/90	19	5	
BITH0038	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-07/31/70	0	1	
BITH0002	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0003	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/21/76	0	2	
BITH0004	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0005	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/11/72-09/11/72	0	1	
BITH0008	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0009	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/23/80-09/23/80	0	1	
BITH0010	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0012	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0013	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0014	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0017	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0018	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0019	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	0	2	
BITH0024	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/09/75-07/19/76	0	2	
BITH0025	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/09/75-10/09/75	0	1	

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**Station/Parameter Period of Record Tabulation
From 10/01/59 To 06/16/93**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
BITH0026	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0027	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0028	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0029	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	0	2	
BITH0031	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	0	1	
BITH0034	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/24/75-06/07/88	12	14	
BITH0015	No	72053	DAYS SINCE PRECIPITATION EVENT DAYS	07/24/90-06/16/93	2	3	
BITH0034	Yes	72053	DAYS SINCE PRECIPITATION EVENT DAYS	11/08/89-06/16/93	3	2	
BITH0015	No	74069	FLOW, ESTIMATED STREAM CFS	09/21/83-09/21/83	0	1	
BITH0033	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/60-07/27/92	31	121	S
BITH0034	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/02/81-07/27/92	10	66	
BITH0033	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/60-09/28/82	21	62	
BITH0034	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/02/81-09/28/82	0	6	
BITH0033	Yes	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	01/20/81-07/28/81	0	2	
BITH0008	Yes	81945	ANTHRACENE&PHENANTHRENE IN WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0009	Yes	81945	ANTHRACENE&PHENANTHRENE IN WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	0	1	
BITH0008	Yes	81948	ANTHRACENE&PHENANTHRENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	0	1	
BITH0009	Yes	81948	ANTHRACENE&PHENANTHRENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	0	1	
BITH0033	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/27/81-05/27/81	0	3	
BITH0036	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/05/81-06/11/81	0	4	
BITH0039	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/13/89-09/13/89	0	1	
BITH0033	Yes	82183	2,4-DP (DICHLORPROP) TOTAL UG/L	01/20/81-07/28/81	0	2	

¹T=Time Series Plot, A=Annual Plot, S=Seasonal Plot

Station-By-Station Results

Station Inventory for Station: BITH0001

NPS Station ID: BITH0001
 Location: PINE ISLAND BAYOU AT SH 105
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin:
 Minor Basin: Neches River Basin
 RF1 Index: 12020003
 RF3 Index: 12030202002201.13
 Description:
 PINE ISLAND BAYOU AT SH 105

LAT/LON: 30.135003/ -94.278338

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.12

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10606 /0607.0200 /607.2000
 Within Park Boundary: No

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	121	20.	19.984	30.5	5.5	50.232	7.087	9.1	15.	27.	28.5
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	93	68.	67.58	86.9	41.9	165.528	12.866	47.66	58.1	79.7	83.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-08/25/87	2	40.5	40.5	68.	13.	1512.5	38.891	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/14/82-09/14/82	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	120	195.	206.458	650.	50.	10380.334	101.884	80.5	135.	268.5	340.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-08/25/87	2	247.	247.	274.	220.	1458.	38.184	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	118	4.9	5.067	7.5	2.8	1.636	1.279	3.49	3.975	6.1	6.91
00307	BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00308	BOD, NITROGEN INHIB., TOTAL, 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00309	BOD, NITROGEN INHIB., DISS., 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/03/78-12/11/87	121	7.1	7.183	8.2	6.1	0.256	0.506	6.6	6.8	7.6	7.9
00400	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	121	7.1	6.922	8.2	6.1	0.325	0.57	6.6	6.8	7.6	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	121	0.079	0.12	0.794	0.006	0.021	0.145	0.013	0.025	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	09/14/82-08/25/87	2	7.3	7.3	7.4	7.2	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/14/82-08/25/87	2	7.289	7.289	7.4	7.2	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-08/25/87	2	0.051	0.051	0.063	0.04	0.	0.016	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/14/82-08/25/87	2	42.	42.	49.	35.	98.	9.899	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/14/82-08/25/87	2	19.	19.	19.	19.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/14/82-08/25/87	2 ##	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/14/82-08/25/87	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/14/82-08/25/87	2	0.215	0.215	0.22	0.21	0.	0.007	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/87-08/25/87	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/14/82-09/14/82	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/14/82-09/14/82	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/14/82-08/25/87	2	0.13	0.13	0.15	0.11	0.001	0.028	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/14/82-08/25/87	2	0.04	0.04	0.05	0.03	0.	0.014	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/14/82-09/14/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00684	CARBON DISSOLVED ORGANIC WHATMAN GF/F MG/L AS C	08/25/87-08/25/87	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/14/82-08/25/87	2	40.	40.	45.	35.	50.	7.071	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/14/82-08/25/87	2	14.5	14.5	18.	11.	24.5	4.95	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/03/78-08/25/87	38	155.	4704.	130000.	5.	450075237.676	21214.977	58.7	100.	530.	6850.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/03/78-08/25/87	38	2.19	2.437	5.114	0.699	0.676	0.822	1.768	2.	2.724	3.832
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			273.773								
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	02/12/85-06/16/87	26	291.	1272.769	14300.	20.	7970101.785	2823.137	74.	130.	1247.5	3030.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	02/12/85-06/16/87	26	2.455	2.594	4.155	1.301	0.426	0.653	1.866	2.11	3.088	3.481
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			392.783								
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/14/82-08/25/87	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/14/82-08/25/87	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/25/87-08/25/87	1	187.	187.	187.	187.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0001

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	118	30	0.25	23	7	0.30	28	2	0.07	40	6	0.15	27	15	0.56
00400 PH	Other-Hi Lim.	9.	121	0	0.00	24	0	0.00	30	0	0.00	40	0	0.00	27	0	0.00
	Other-Lo Lim.	6.5	121	9	0.07	24	4	0.17	30	1	0.03	40	1	0.03	27	3	0.11
00403 PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
	Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	16	0.42	5	2	0.40	7	3	0.43	16	8	0.50	10	3	0.30

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1978 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	12	17.5	19.417	29.	68.402	8.271	7.	14.125	28.125	29.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	12	63.5	66.95	84.2	221.621	14.887	44.6	57.425	82.625	84.2
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	12	285.	264.167	480.	14626.515	120.94	92.5	155.	361.25	456.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	12	5.95	5.942	7.4	1.146	1.071	4.4	5.	6.875	7.34
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.9	6.892	7.2	0.046	0.215	6.63	6.7	7.075	7.2
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.889	6.845	7.2	0.049	0.221	6.63	6.7	7.075	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	12	0.129	0.143	0.251	0.004	0.065	0.063	0.085	0.2	0.236

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	12	22.25	19.833	28.	47.515	6.893	7.85	15.	25.75	27.4
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	12	72.05	67.7	82.4	153.949	12.408	46.13	59.	78.35	81.32
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	12	130.	125.417	220.	2442.992	49.427	63.	81.25	167.5	205.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	12	5.45	5.667	7.4	0.844	0.919	4.3	5.225	6.275	7.22
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	12	7.05	7.008	7.5	0.074	0.271	6.53	6.9	7.1	7.44
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	12	7.047	6.927	7.5	0.081	0.284	6.53	6.9	7.1	7.44
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	12	0.09	0.118	0.316	0.007	0.083	0.037	0.079	0.126	0.297

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	12	18.25	19.542	30.5	48.339	6.953	11.	12.625	26.75	29.9
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	12	64.85	67.175	86.9	156.618	12.515	51.8	54.725	80.15	85.82
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	12	185.	208.333	650.	26642.424	163.225	56.	83.75	285.	545.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	12	5.95	5.65	7.4	1.239	1.113	4.2	4.425	6.25	7.34
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.65	6.658	7.2	0.063	0.25	6.3	6.5	6.8	7.08
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.647	6.597	7.2	0.067	0.258	6.3	6.5	6.8	7.08
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	12	0.225	0.253	0.501	0.019	0.137	0.092	0.158	0.316	0.501

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	12	20.5	19.875	27.5	48.188	6.942	7.35	15.25	26.5	27.35
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	12	68.9	67.775	81.5	156.128	12.495	45.23	59.45	79.7	81.23
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	12	235.	234.583	410.	11888.447	109.034	62.	153.75	332.5	395.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	12	5.35	5.142	7.	1.706	1.306	2.98	4.325	6.125	6.97
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.9	7.033	7.8	0.162	0.403	6.6	6.725	7.4	7.74
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.889	6.901	7.8	0.182	0.426	6.6	6.725	7.4	7.74
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	12	0.129	0.126	0.251	0.007	0.083	0.019	0.044	0.189	0.251

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	13	22.	19.885	28.	58.173	7.627	7.2	13.25	27.	27.8
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	13	71.6	67.762	82.	187.519	13.694	44.96	55.85	80.6	81.8
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	13	180.	188.846	290.	4225.641	65.005	90.	150.	245.	290.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	13	5.7	5.515	7.5	1.856	1.363	3.74	4.3	6.9	7.5
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	13	7.5	7.469	8.	0.169	0.411	6.66	7.3	7.75	7.96
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	13	7.5	7.24	8.	0.226	0.476	6.66	7.3	7.75	7.96
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	13	0.032	0.058	0.316	0.007	0.083	0.011	0.018	0.05	0.24

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	12	20.25	19.542	29.	54.884	7.408	8.65	12.625	27.125	28.85
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	12	68.45	67.175	84.2	177.826	13.335	47.57	54.725	80.825	83.93
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	12	155.5	183.	340.	7409.818	86.08	74.	131.25	237.5	337.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	12	4.1	4.767	7.2	2.239	1.496	3.01	3.65	6.275	7.17
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	12	7.75	7.717	8.2	0.058	0.241	7.33	7.6	7.875	8.11
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	12	7.747	7.657	8.2	0.062	0.248	7.33	7.6	7.875	8.11
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	12	0.018	0.022	0.05	0.006	0.012	0.008	0.013	0.025	0.047

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	12	19.75	19.583	28.	33.765	5.811	10.25	14.75	23.75	27.7
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	12	67.55	67.25	82.4	109.399	10.459	50.45	58.55	74.75	81.86
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	12	230.	237.083	380.	8283.902	91.016	99.	181.25	325.	374.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	12	4.75	4.725	7.5	1.388	1.178	3.36	3.825	5.425	6.96
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	12	7.9	7.883	8.2	0.029	0.17	7.63	7.725	8.	8.14
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	12	7.9	7.853	8.2	0.03	0.173	7.63	7.725	8.	8.14
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	12	0.013	0.014	0.025	0.006	0.005	0.007	0.01	0.019	0.024

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	10	19.75	19.5	30.	83.5	9.138	5.65	11.875	29.125	29.95
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	8	73.4	69.462	86.	315.423	17.76	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	9	190.	205.556	440.	14377.778	119.907	70.	105.	290.	440.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	10	3.8	4.16	6.3	1.287	1.135	3.01	3.25	5.05	6.25
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	10	7.35	7.35	8.1	0.427	0.654	6.16	6.925	7.95	8.1
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	10	7.325	6.882	8.1	0.671	0.819	6.16	6.925	7.95	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	10	0.047	0.131	0.794	0.058	0.24	0.008	0.011	0.125	0.735

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	12	23.	20.542	27.5	8.	44.294	6.655	8.75	15.375	26.375	27.5
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	12	195.	203.75	350.	100.	4700.568	68.561	110.5	161.25	235.	335.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	12	4.	4.217	6.2	2.8	1.078	1.038	2.89	3.375	4.775	6.08
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.8	6.825	7.1	6.7	0.015	0.122	6.7	6.7	6.9	7.04
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	12	6.8	6.81	7.1	6.7	0.015	0.122	6.7	6.7	6.9	7.04
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	12	0.158	0.155	0.2	0.079	0.002	0.039	0.093	0.126	0.2	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

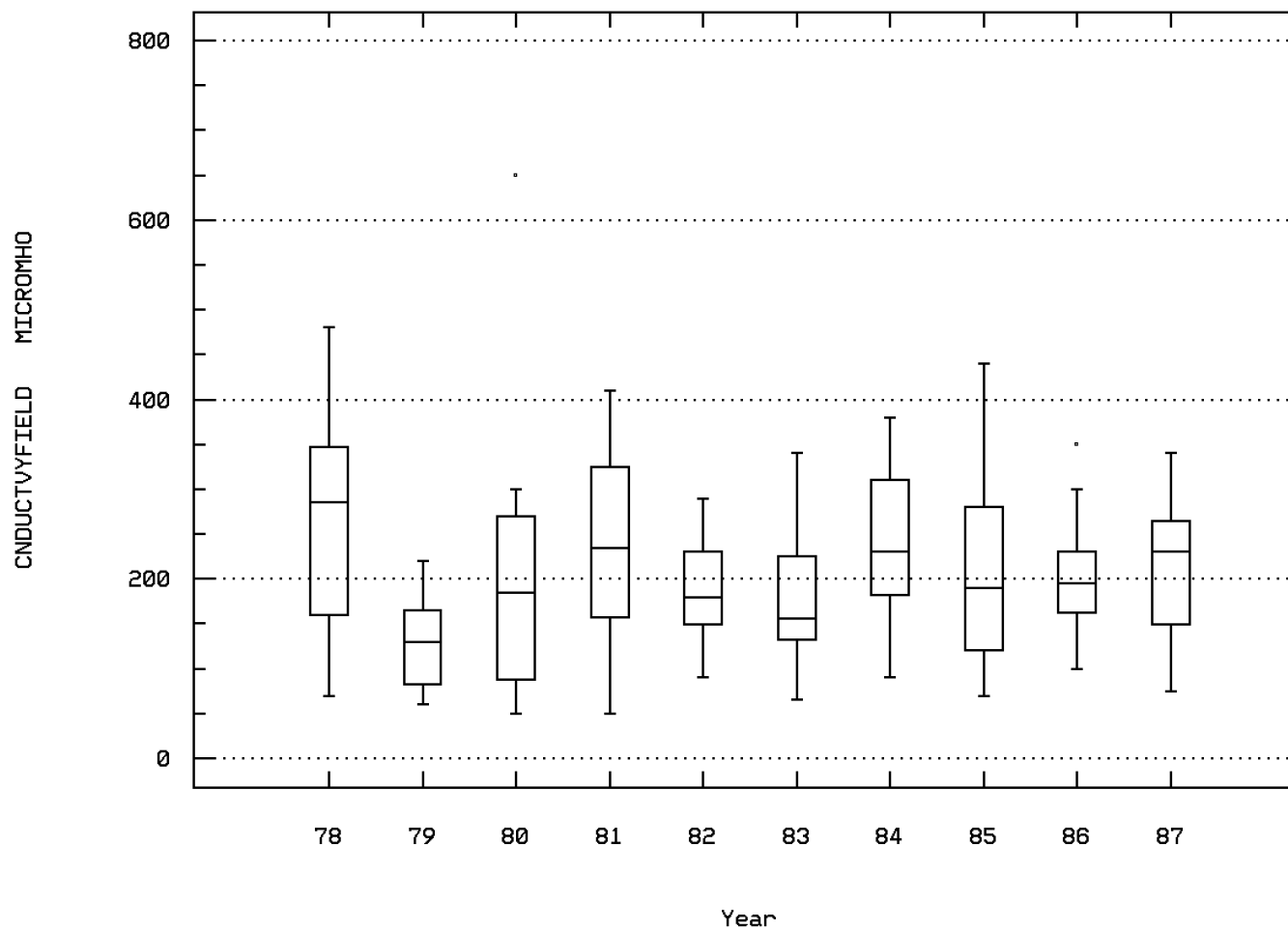
Annual Analysis for 1987 - Station BITH0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	14	22.5	21.757	30.3	7.	55.226	7.431	11.	15.375	28.675	30.1
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	14	230.	213.857	340.	75.	6348.132	79.675	77.5	145.	265.5	320.
00300p	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	11	4.6	4.664	6.4	3.	1.003	1.001	3.14	3.9	5.6	6.3
00400p	PH (STANDARD UNITS)	01/03/78-12/11/87	14	7.1	7.029	7.6	6.1	0.193	0.439	6.1	6.9	7.3	7.55
00400p	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	14	7.1	6.756	7.6	6.1	0.273	0.523	6.1	6.9	7.3	7.55
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	14	0.079	0.176	0.794	0.025	0.07	0.264	0.028	0.05	0.126	0.794

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: BITH0001 Parameter Code: 00094

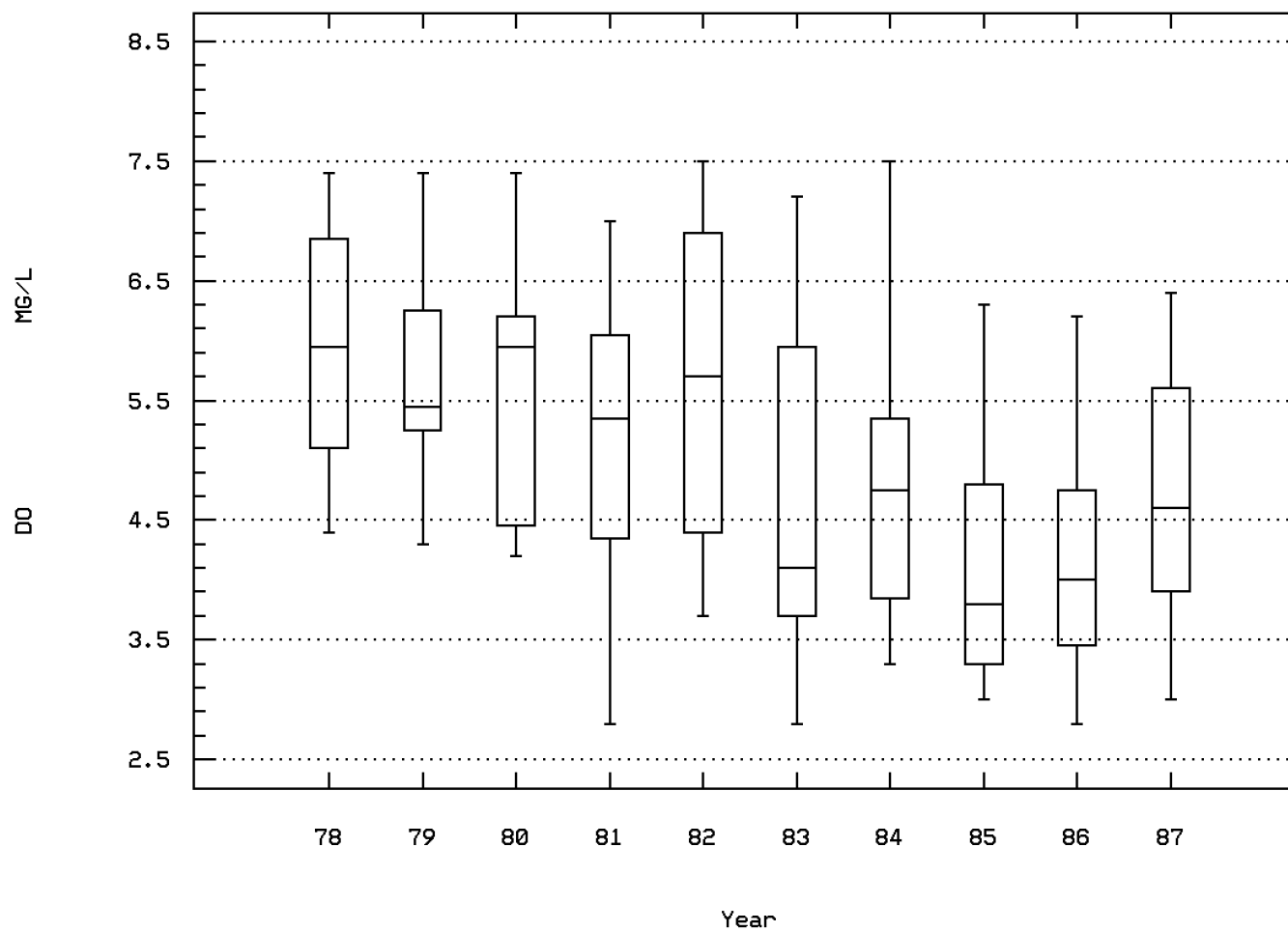
SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @



PINE ISLAND BAYOU AT SH 105

Station: BITH0001 Parameter Code: 00300

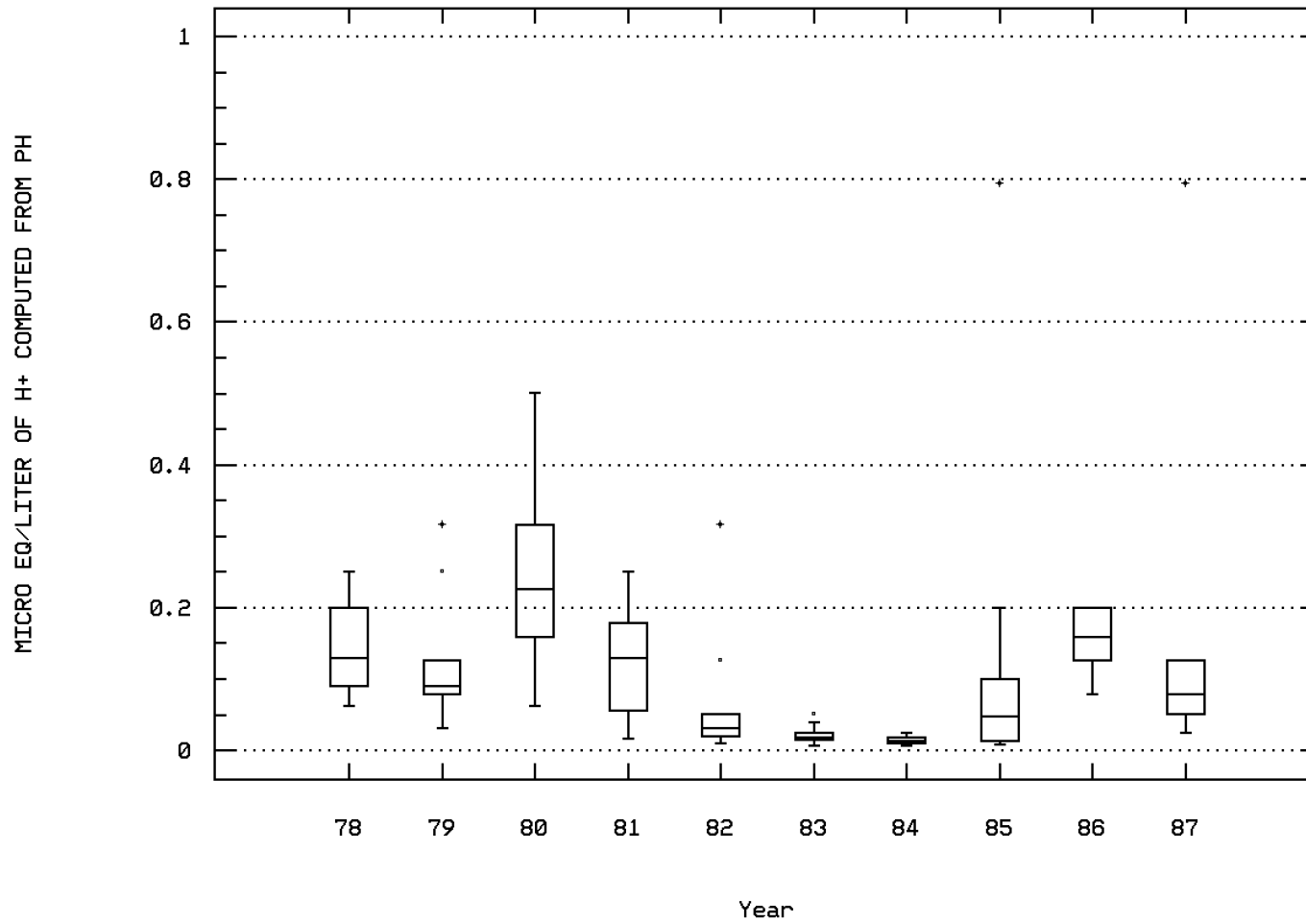
OXYGEN, DISSOLVED



PINE ISLAND BAYOU AT SH 105

Station: BITH0001 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



PINE ISLAND BAYOU AT SH 105

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	24	26.	25.358	30.3	18.	12.808	3.579	18.5	23.	28.3	29.7
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	16	77.	75.681	83.3	64.4	39.934	6.319	64.4	72.05	80.6	83.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	24	245.	250.792	650.	50.	17377.129	131.822	82.5	161.25	290.	440.
00300	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	23	4.5	4.661	6.9	2.8	1.133	1.065	3.12	3.9	5.4	6.2
00400	PH (STANDARD UNITS)	01/03/78-12/11/87	24	7.1	7.046	7.9	6.1	0.277	0.527	6.2	6.7	7.575	7.75
00400	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	24	7.1	6.753	7.9	6.1	0.367	0.606	6.2	6.7	7.575	7.75
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	24	0.079	0.176	0.794	0.013	0.05	0.223	0.018	0.027	0.2	0.648

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	30	12.	12.617	20.	5.5	19.529	4.419	6.55	8.75	16.125	18.5
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	22	53.6	54.336	68.	41.9	67.163	8.195	43.07	47.525	61.025	66.56
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	29	165.	182.414	340.	65.	6815.394	82.555	85.	125.	235.	320.
00300	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	28	6.15	6.089	7.5	3.5	1.071	1.035	4.43	5.625	6.9	7.41
00400	PH (STANDARD UNITS)	01/03/78-12/11/87	30	7.2	7.323	8.2	6.1	0.269	0.519	6.71	6.9	7.8	7.99
00400	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	30	7.2	7.023	8.2	6.1	0.363	0.602	6.71	6.9	7.8	7.99
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	30	0.063	0.095	0.794	0.006	0.022	0.147	0.01	0.016	0.126	0.195

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	40	17.5	17.263	26.	7.	25.064	5.006	8.75	14.625	20.875	23.9
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	32	63.5	62.572	78.8	44.6	89.805	9.477	45.41	57.425	68.9	75.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	40	175.	192.625	440.	60.	10453.83	102.244	71.	101.25	245.	359.
00300	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	40	5.2	5.32	7.5	3.1	1.467	1.211	3.53	4.425	6.2	7.09
00400	PH (STANDARD UNITS)	01/03/78-12/11/87	40	7.1	7.21	8.2	6.5	0.252	0.502	6.7	6.8	7.75	8.
00400	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	40	7.1	6.996	8.2	6.5	0.299	0.546	6.7	6.8	7.75	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	40	0.079	0.101	0.316	0.006	0.007	0.082	0.01	0.018	0.158	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/78-12/11/87	27	27.5	27.426	30.5	23.	2.937	1.714	24.5	27.	29.	29.6
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/03/78-08/12/85	23	81.5	81.578	86.9	73.4	9.861	3.14	77.18	80.6	84.2	85.64
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/03/78-12/11/87	27	210.	213.37	380.	50.	6314.396	79.463	98.	160.	280.	312.
00300	OXYGEN, DISSOLVED MG/L	01/03/78-09/08/87	27	3.9	3.978	5.4	2.8	0.486	0.697	3.	3.4	4.4	5.32
00400	PH (STANDARD UNITS)	01/03/78-12/11/87	27	7.1	7.111	8.	6.3	0.213	0.462	6.5	6.7	7.5	7.74
00400	CONVERTED PH (STANDARD UNITS)	01/03/78-12/11/87	27	7.1	6.904	8.	6.3	0.258	0.508	6.5	6.7	7.5	7.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/03/78-12/11/87	27	0.079	0.125	0.501	0.01	0.014	0.119	0.018	0.032	0.2	0.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: BITH0002

NPS Station ID: BITH0002
 Location: PINE ISLAND BAYOU AT STATE H 105
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007008
 RF3 Index: 12020007000404.58
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU AT STATE HWY 105

LAT/LON: 30.136116/ -94.277781

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 1.970
 RF3 Mile Point: 8.18

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-8
 Within Park Boundary: No

Date Created: 10/25/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.10

On/Off RF1: OFF
 On/Off RF3:

SEDIMENT ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	2	4.	4.	5.6	2.4	5.12	2.263	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	2 ##	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	2	16.1	16.1	28.	4.2	283.22	16.829	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	2	4.5	4.5	4.6	4.4	0.02	0.141	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	2	11.65	11.65	17.	6.3	57.245	7.566	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	2	175.	175.	200.	150.	1250.	35.355	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/22/76	2	9.7	9.7	15.	4.4	56.18	7.495	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	2 ##	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	2	17.5	17.5	18.	17.	0.5	0.707	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	2 ##	1.025	1.025	1.2	0.85	0.061	0.247	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	2 ##	0.16	0.16	0.3	0.02	0.039	0.198	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0003

NPS Station ID: BITH0003
 Location: PINE ISLAND BAYOU AT SH 105
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007008
 RF3 Index: 12020007001600.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU AS STATE HIGHWAY 105

LAT/LON: 30.138892/ -94.275003

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 1.970
 RF3 Mile Point: 0.36

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 06079907
 Within Park Boundary: No

Date Created: 01/29/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.25

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: BITH0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/21/76	2	4.	4.	5.6	2.4	5.12	2.263	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/21/76-07/21/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/21/76	2 ##	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/21/76	2	16.1	16.1	28.	4.2	283.22	16.829	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/21/76	2	4.5	4.5	4.6	4.4	0.02	0.141	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/21/76	2	11.65	11.65	17.	6.3	57.245	7.566	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/21/76	2	175.	175.	200.	150.	1250.	35.355	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/21/76-07/21/76	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/08/75-07/21/76	2	9.7	9.7	15.	4.4	56.18	7.495	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/21/76	2 ##	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/21/76	2	17.5	17.5	18.	17.	0.5	0.707	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/21/76	2 ##	1.025	1.025	1.2	0.85	0.061	0.247	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39343 GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	07/21/76-07/21/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39393 ENDRIIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/21/76-07/21/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/21/76-07/21/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/21/76-07/21/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/21/76-07/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/21/76-07/21/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/21/76-07/21/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/21/76	2 ##	0.16	0.16	0.3	0.02	0.039	0.198	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0003

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00										1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
	Drinking Water	1300.	1	0	0.00										1	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00										1	0	0.00
	Drinking Water	5.	0 &	0	0.00												
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
	Drinking Water	50.	1	0	0.00										1	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00										1	0	0.00
	Drinking Water	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0004

NPS Station ID: BITH0004 LAT/LON: 30.150003/ -94.273616
 Location: PINE ISLAND BAYOU 1 MI DWNSTM FR L. PINE IS BYU
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007 Depth of Water: 0
 Major Basin: WESTERN GULF Elevation: 0
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007 RF1 Mile Point: 0.000
 RF3 Index: 12020003024600.00 RF3 Mile Point: 0.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER QUALITY SAMPLES ANALYZED FOR TOXICS
 PINE ISLAND BAYOU 1 MILE DOWNSTREAM FROM LITTLE PINE ISLAND BAYOU

Agency: 21TEXWR
 FIPS State/County: 48245 TEXAS/JEFFERSON
 STORET Station ID(s): 06079906
 Within Park Boundary: No

Date Created: 02/01/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.08

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0004

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	2	1.55	1.55	1.7	1.4	0.045	0.212	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/22/76-07/22/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/08/75-07/22/76	2 ##	0.058	0.058	0.075	0.04	0.001	0.025	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/08/75-07/22/76	2	18.55	18.55	30.	7.1	262.205	16.193	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	2	5.05	5.05	5.9	4.2	1.445	1.202	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	2	9.9	9.9	12.	7.8	8.82	2.97	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	2	235.	235.	240.	230.	50.	7.071	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/22/76-07/22/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/08/75-07/22/76	2	12.1	12.1	20.	4.2	124.82	11.172	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	2 ##	0.048	0.048	0.075	0.02	0.002	0.039	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/22/76-07/22/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	2	19.5	19.5	21.	18.	4.5	2.121	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	2 ##	0.5	0.5	0.85	0.15	0.245	0.495	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39343 GAMMA-BHC(LINDANE), SEDIMENTS, DRY WGT, UG/KG	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS), SEDIMENTS, DRY WGT, UG/KG	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39393 ENDRIIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0004

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/22/76-07/22/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	2 ##	0.118	0.118	0.2	0.035	0.014	0.117	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0004

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
	Fresh Acute	3.9	0 &	0	0.00												
01027 CADMIUM, TOTAL	Drinking Water	5.	0 &	0	0.00												
	Drinking Water	100.	1	0	0.00										1	0	0.00
	Fresh Acute	18.	1	0	0.00										1	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	1300.	1	0	0.00										1	0	0.00
	Fresh Acute	82.	1	0	0.00										1	0	0.00
	Drinking Water	5.	0 &	0	0.00										1	0	0.00
01051 LEAD, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
	Fresh Acute	4.1	0 &	0	0.00												
01067 NICKEL, TOTAL	Drinking Water	50.	1	0	0.00										1	0	0.00
	Fresh Acute	120.	1	0	0.00										1	0	0.00
	Drinking Water	20.	1	0	0.00										1	0	0.00
01077 SILVER, TOTAL	Drinking Water	50.	1	0	0.00										1	0	0.00
	Fresh Acute	2.4	1	0	0.00										1	0	0.00
	Drinking Water	2.	1	0	0.00										1	0	0.00
01092 ZINC, TOTAL																	
01147 SELENIUM, TOTAL																	
71900 MERCURY, TOTAL																	

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0005

NPS Station ID: BITH0005	LAT/LON: 30.156115/ -94.113616	Agency: 112WRD	Date Created: 07/18/78
Location: 9310702SABINE-NECHES ES LINE 107 SITE 02		FIPS State/County: 48361 TEXAS/ORANGE	
Station Type: /TYPA/AMBNT/STREAM		STORET Station ID(s): 300922094064900	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:		Aquifer:	
HUC: 12020003	Depth of Water: 0	Water Body Id:	
Major Basin:	Elevation: 0	ECO Region:	
Minor Basin:		Distance from RF1: 0.00	On/Off RF1: ON
RF1 Index: 12020003001	RF1 Mile Point: 30.680	Distance from RF3: 0.04	On/Off RF3:
RF3 Index: 12020003074600.00	RF3 Mile Point: 2.10		
Description:			

Parameter Inventory for Station: BITH0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	153	22.5	22.005	33.	8.5	35.695	5.975	12.6	17.1	27.	30.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	10/01/73-08/17/76	49	55.	63.335	174.9	5.	1390.754	37.293	35.	40.	72.5	114.9
00078 TRANSPARENCY, SECCHI DISC (METERS)	03/07/68-04/28/82	34	0.38	0.388	0.61	0.23	0.009	0.096	0.275	0.323	0.443	0.53
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	153	160.	2115.843	23000.	76.	27120060.633	5207.692	120.	140.	295.	10000.
00300 OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	153	7.1	6.799	11.8	0.	7.073	2.66	1.58	6.25	8.6	9.66
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	153	82.	76.368	157.	0.	851.563	29.182	20.	72.	91.	94.6
00310 BOD, 5 DAY, 20 DEG C MG/L	05/01/68-07/25/75	25	1.1	1.544	6.3	0.4	1.82	1.349	0.5	0.7	1.85	3.58
00335 COD, .025N K2CR2O7 MG/L	12/03/69-05/07/73	7	36.	36.143	65.	10.	405.476	20.136	**	**	**	**
00400 PH (STANDARD UNITS)	03/07/68-04/28/82	141	6.8	6.748	7.8	5.2	0.223	0.472	6.12	6.5	7.	7.3
00400 CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	141	6.8	6.398	7.8	5.2	0.347	0.589	6.12	6.5	7.	7.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	141	0.158	0.4	6.31	0.016	0.825	0.908	0.05	0.1	0.316	0.762
00405 CARBON DIOXIDE (MG/L AS CO2)	05/01/68-08/17/76	19	9.6	18.205	84.	2.2	501.464	22.393	4.	4.8	22.	70.
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/01/68-08/17/76	22	20.5	28.682	108.	16.	623.465	24.969	16.	16.75	25.	81.2
00440 BICARBONATE ION (MG/L AS HCO3)	05/01/68-08/17/76	22	24.5	34.955	132.	19.	936.426	30.601	19.	20.75	30.5	99.3
00445 CARBONATE ION (MG/L AS CO3)	09/05/74-08/17/76	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00600 NITROGEN, TOTAL (MG/L AS N)	09/05/74-04/09/81	27	0.6	0.772	4.6	0.34	0.625	0.791	0.396	0.45	0.76	1.04
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/05/74-11/16/81	28	0.55	0.707	4.5	0.28	0.589	0.767	0.388	0.415	0.653	0.975
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/68-04/28/82	44	0.02	0.078	1.299	0.	0.046	0.215	0.	0.01	0.068	0.11
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/68-04/28/82	46	0.01	0.011	0.11	0.	0.	0.018	0.	0.	0.011	0.023
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/68-04/09/81	46	0.03	0.12	1.2	0.	0.061	0.246	0.	0.01	0.1	0.33
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/74-04/28/82	29	0.56	0.747	4.6	0.31	0.595	0.771	0.4	0.43	0.74	1.1
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/74-04/28/82	29	0.03	0.039	0.14	0.	0.001	0.032	0.01	0.015	0.05	0.08
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	04/16/79-04/16/79	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	05/01/68-10/01/73	11	0.12	0.212	0.74	0.	0.052	0.228	0.	0.06	0.4	0.678
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/01/68-04/28/82	46	0.05	0.065	0.24	0.02	0.003	0.052	0.03	0.04	0.06	0.159
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/01/68-10/01/73	11	0.04	0.069	0.24	0.	0.005	0.074	0.	0.02	0.13	0.22
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	09/11/72-04/28/82	22	7.75	8.7	17.	4.7	12.116	3.481	5.09	5.875	10.25	15.
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	03/07/68-08/17/76	25	33.	306.64	3400.	23.	702816.907	838.342	27.	29.	54.5	1350.
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	05/01/68-08/17/76	23	13.	300.696	3300.	5.	720513.767	848.831	8.	11.	32.	1720.
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	03/07/68-08/17/76	24	8.5	25.129	187.9	5.	2456.549	49.564	6.05	7.05	12.	109.95
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/68-08/17/76	24	3.05	61.588	712.9	1.8	31679.337	177.987	1.95	2.5	4.275	315.45
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/01/68-08/17/76	14	14.5	14.429	18.	11.	5.033	2.243	11.	12.75	16.25	17.5
00931 SODIUM ADSORPTION RATIO	05/01/68-08/17/76	15	1.1	1.333	4.3	0.9	0.697	0.835	0.9	1.	1.3	2.56
00932 SODIUM, PERCENT	04/08/74-08/17/76	14	48.	49.5	71.	41.	51.346	7.166	42.5	45.5	52.	62.5
00933 SODIUM,PLUS POTASSIUM (MG/L)	12/03/69-04/08/74	9	64.	1027.978	4140.	13.	2794817.302	1671.771	13.	16.5	2234.95	4140.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	04/08/74-08/17/76	13	2.4	2.508	3.3	2.	0.159	0.399	2.	2.25	2.8	3.22
00940 CHLORIDE,TOTAL IN WATER MG/L	05/01/68-08/17/76	22	19.5	788.227	7900.	14.	4642235.232	2154.585	15.	17.75	47.5	5144.
00945 SULFATE, TOTAL (MG/L AS SO4)	05/01/68-08/17/76	22	16.5	128.136	1110.	10.	99097.552	314.798	12.3	14.	24.5	808.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/01/68-08/17/76	17	0.2	0.247	1.1	0.	0.064	0.253	0.	0.1	0.35	0.54
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/07/68-08/17/76	27	8.8	8.915	13.	5.9	3.601	1.898	6.	7.2	10.	11.2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/28/70-10/08/74	5	1.	2.4	10.	0.	18.3	4.278	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/11/72-09/11/72	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/01/68-05/07/73	8	235.	602.507	2500.	0.	794239.672	891.201	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/70-10/08/74	5	0.	0.4	1.	0.	0.3	0.548	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/28/70-10/08/74	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/01/73-10/08/74	3	0.	0.	0.	0.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/11/72-09/11/72	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/28/70-10/08/74	5	7.	6.6	9.	4.	4.3	2.074	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/11/72-09/11/72	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/70-10/08/74	5	300.	380.	670.	200.	35350.	188.016	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/28/70-10/08/74	5	1.	1.2	4.	0.	2.7	1.643	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/11/72-09/11/72	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/11/72-09/11/72	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/70-10/08/74	5	80.	223.18	909.9	0.	148986.862	385.988	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/73-10/08/74	3	3.	2.667	4.	1.	2.333	1.528	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/07/68-10/08/74	8	145.	577.5	3400.	100.	1311878.571	1145.373	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/11/72-10/08/74	4	80.	90.	180.	20.	6800.	82.462	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/11/72-09/11/72	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/08/74-10/08/74	2	45.	45.	50.	40.	50.	7.071	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	03/07/68-10/08/74	8	9.	15.75	80.	0.	691.929	26.305	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/11/72-09/11/72	1	4400.	4400.	4400.	4400.	0.	0.	**	**	**	**
31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/11/72-07/25/75	9	220.	169.111	450.	0.	24209.361	155.594	0.	18.	265.	450.
31501	LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	09/11/72-07/25/75	9	2.342	1.721	2.653	0.	1.075	1.037	0.	0.772	2.419	2.653
31501	GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			52.595								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/11/72-07/25/75	8	28.	56.125	170.	0.	4394.411	66.29	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/11/72-07/25/75	8	1.446	1.293	2.23	0.	0.745	0.863	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.611								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/11/72-07/25/75	9	110.	130.222	470.	24.	19549.444	139.819	24.	31.	165.	470.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/11/72-07/25/75	9	2.041	1.921	2.672	1.38	0.19	0.436	1.38	1.491	2.217	2.672
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			83.331								
32230	CHLOROPHYLL A (MG/L)	04/07/75-05/20/75	2	0.001	0.001	0.001	0.	0.	0.	**	**	**	**
32231	CHLOROPHYLL B (MG/L)	04/07/75-05/20/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
32232	CHLOROPHYLL C (MG/L)	04/07/75-05/20/75	2	0.001	0.001	0.002	0.	0.	0.001	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/11/72-07/25/75	6	0.	1.	5.	0.	4.	2.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	10/08/74-10/08/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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Parameter Inventory for Station: BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/08/74	2	0.01	0.01	0.02	0.	0.	0.014	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	10/01/73-10/01/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/05/74-09/05/74	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/01/68-08/17/76	22	88.	1466.5	14100.	69.	14955059.786	3867.177	70.3	81.25	137.25	9394.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/01/68-08/17/76	23	0.12	1.918	19.2	0.09	26.634	5.161	0.1	0.11	0.14	11.436
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/16/79-11/06/80	4	0.07	0.06	0.1	0.	0.002	0.049	**	**	**	**
71865	IODIDE (MG/L AS I)	12/03/69-05/07/73	7	0.02	0.023	0.03	0.02	0.	0.005	**	**	**	**
71870	BROMIDE (MG/L AS BR)	12/03/69-05/07/73	7	1.9	7.943	26.	0.	144.876	12.036	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/16/79-04/28/82	7	0.18	0.187	0.25	0.12	0.003	0.051	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	09/05/74-04/09/81	27	2.7	3.407	20.	1.5	11.799	3.435	1.78	2.	3.4	4.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/28/70-10/08/74	4	0.05	0.15	0.5	0.	0.057	0.238	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/11/72-09/11/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0005

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	50.	49	27	0.55	18	1	0.06	4	3	0.75	19	15	0.79	8	8	1.00
00300	OXYGEN, DISSOLVED	4.	153	19	0.12	43	7	0.16	29	5	0.17	56	4	0.07	25	3	0.12
00400	PH	9.	141	0	0.00	43	0	0.00	29	0	0.00	47	0	0.00	22	0	0.00
	Other-Lo Lim.	6.5	141	43	0.30	43	1	0.02	29	16	0.55	47	19	0.40	22	7	0.32
00615	NITRITE NITROGEN, TOTAL AS N	1.	46	0	0.00	14	0	0.00	8	0	0.00	18	0	0.00	6	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	10.	46	0	0.00	14	0	0.00	8	0	0.00	19	0	0.00	5	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	10.	29	0	0.00	9	0	0.00	5	0	0.00	11	0	0.00	4	0	0.00
00940	CHLORIDE,TOTAL IN WATER	860.	22	4	0.18	7	0	0.00	3	3	1.00	9	0	0.00	3	1	0.33
00945	SULFATE, TOTAL (AS SO4)	400.	22	2	0.09	7	0	0.00	3	1	0.33	9	0	0.00	3	1	0.33
01000	ARSENIC, DISSOLVED	360.	5	0	0.00	4	0	0.00							1	0	0.00
	Drinking Water	50.	5	0	0.00	4	0	0.00							1	0	0.00
01025	CADMIUM, DISSOLVED	3.9	5	0	0.00	4	0	0.00							1	0	0.00
	Drinking Water	5.	5	0	0.00	4	0	0.00							1	0	0.00
01030	CHROMIUM, DISSOLVED	100.	4	0	0.00	3	0	0.00							1	0	0.00
01040	COPPER, DISSOLVED	18.	5	0	0.00	4	0	0.00							1	0	0.00
	Drinking Water	1300.	5	0	0.00	4	0	0.00							1	0	0.00
01049	LEAD, DISSOLVED	82.	5	0	0.00	4	0	0.00							1	0	0.00
	Drinking Water	5.	5	0	0.00	4	0	0.00							1	0	0.00
01065	NICKEL, DISSOLVED	1400.	3	0	0.00	3	0	0.00									
	Drinking Water	100.	3	0	0.00	3	0	0.00									
	Fresh Acute	120.	4	2	0.50	4	2	0.50									
01090	ZINC, DISSOLVED	1000.	9	0	0.00	3	0	0.00				4	0	0.00	2	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	200.	8	0	0.00	3	0	0.00				3	0	0.00	2	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH																
39330	ALDRIN IN WHOLE WATER SAMPLE	3.	2	0	0.00	2	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	2.	2	0	0.00	2	0	0.00									
	Drinking Water	0.2	2	0	0.00	2	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	2.4	2	0	0.00	2	0	0.00									
	Drinking Water	2.	2	0	0.00	2	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	0.6	2	0	0.00	2	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	1050.	2	0	0.00	2	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	1.1	2	0	0.00	2	0	0.00									
39380	DIELDRLN IN WHOLE WATER SAMPLE	2.5	2	0	0.00	2	0	0.00									
39390	ENDRLN IN WHOLE WATER SAMPLE	0.18	2	0	0.00	2	0	0.00									
	Drinking Water	0.2	2	0	0.00	2	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	0.73	1	0	0.00	1	0	0.00									
	Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	0.52	2	0	0.00	2	0	0.00									
	Drinking Water	0.4	2	0	0.00	2	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	0.52	2	0	0.00	2	0	0.00									
	Drinking Water	0.2	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0005

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	2	0	0.00	2	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	2	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	2	0	0.00									
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Drinking Water	0.2	1	0	0.00	1	0	0.00									
		Fresh Acute	2.4	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	2.	4	0	0.00	3	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	6	12.65	15.75	22.	12.6	23.439	4.841	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	6	295.	240.833	310.	120.	8444.167	91.892	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	6	9.8	8.583	9.9	6.1	3.702	1.924	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	6	92.	84.5	93.	69.	144.3	12.012	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	6	7.3	7.	7.3	6.4	0.216	0.465	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	6	7.3	6.78	7.3	6.4	0.274	0.524	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	6	0.05	0.166	0.398	0.05	0.032	0.18	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	10	18.	18.52	21.	15.2	4.515	2.125	15.38	17.	20.625	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	10	9300.	11365.	23000.	150.	10011138.889	10005.555	315.	2025.	22000.	22900.
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	10	4.85	4.55	10.	0.	20.072	4.48	0.	0.	8.6	9.89
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	10	51.	46.89	102.9	0.	2113.299	45.971	0.	0.	90.	101.91
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	10	6.5	6.54	6.7	6.4	0.014	0.117	6.4	6.475	6.7	6.7
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	10	6.5	6.526	6.7	6.4	0.014	0.118	6.4	6.475	6.7	6.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	10	0.316	0.298	0.398	0.2	0.006	0.075	0.2	0.2	0.337	0.398

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	5	29.5	29.7	31.	29.	0.7	0.837	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	5	10000.	11860.	22000.	1800.	78548000.	8862.731	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	5	1.5	2.54	6.3	0.	8.423	2.902	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	5	20.	33.2	82.	0.	1427.2	37.778	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	5	7.	6.98	7.	6.9	0.002	0.045	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	5	7.	6.978	7.	6.9	0.002	0.045	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	5	0.1	0.105	0.126	0.1	0.	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	5	24.8	24.9	25.5	24.7	0.115	0.339	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	5	220.	218.	230.	200.	120.	10.954	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	5	6.8	6.68	6.8	6.4	0.032	0.179	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	5	81.	79.6	82.	76.	6.3	2.51	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	5	6.7	6.72	6.8	6.7	0.002	0.045	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	5	6.7	6.718	6.8	6.7	0.002	0.045	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	5	0.2	0.191	0.2	0.158	0.	0.018	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	6	30.15	30.167	30.5	30.	0.035	0.186	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	6	9650.	8963.333	17000.	480.	66214466.667	8137.227	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	6	1.2	2.467	7.1	0.3	7.911	2.813	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	6	16.5	32.667	93.	4.	1350.267	36.746	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	6	7.	7.017	7.4	6.7	0.054	0.232	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	6	7.	6.969	7.4	6.7	0.056	0.238	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	6	0.1	0.107	0.2	0.04	0.003	0.053	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	6	26.65	25.033	27.1	21.4	7.735	2.781	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	6	140.	135.	140.	120.	70.	8.367	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	6	6.1	6.267	7.1	5.8	0.247	0.497	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	6	74.	75.	80.	72.	8.8	2.966	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	6	6.8	6.5	7.3	5.4	0.584	0.764	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	6	6.8	5.969	7.3	5.4	0.922	0.96	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	6	0.158	1.074	3.981	0.05	2.595	1.611	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	19	25.	25.289	30.9	19.8	11.215	3.349	20.4	23.2	26.5	30.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	19	140.	145.053	230.	96.	736.164	27.132	110.	130.	160.	170.
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	19	6.8	7.047	8.6	6.2	0.548	0.74	6.4	6.6	7.4	8.6
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	19	84.	84.211	95.	71.	35.287	5.94	78.	80.	90.	93.
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	19	6.9	6.989	7.7	6.6	0.052	0.228	6.7	6.9	7.	7.2
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	19	6.9	6.943	7.7	6.6	0.054	0.233	6.7	6.9	7.	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	19	0.126	0.114	0.251	0.02	0.002	0.05	0.063	0.1	0.126	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	22	20.5	21.159	28.1	11.7	36.118	6.01	11.7	17.2	26.3	28.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	22	150.	147.727	240.	120.	742.208	27.243	120.	127.5	160.	170.
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	22	8.3	7.955	9.	5.8	1.164	1.079	6.4	6.475	8.8	8.97
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	22	88.	87.8	112.9	73.	113.57	10.657	76.3	77.75	91.5	104.6
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	13	6.6	6.738	7.2	6.1	0.136	0.369	6.26	6.5	7.15	7.2
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	13	6.6	6.605	7.2	6.1	0.155	0.394	6.26	6.5	7.15	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	13	0.251	0.248	0.794	0.063	0.04	0.2	0.063	0.071	0.316	0.603

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	28	18.	19.175	33.	11.	43.81	6.619	11.	12.25	24.175	29.01
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	28	160.	151.964	200.	95.	1089.517	33.008	100.	120.	170.	191.
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	28	7.25	7.639	9.9	4.7	1.675	1.294	6.3	6.9	8.7	9.9
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	28	84.5	82.357	96.	65.	74.386	8.625	72.	73.25	89.75	93.2
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	28	6.55	6.654	7.8	5.4	0.283	0.532	6.09	6.4	6.975	7.61
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	28	6.547	6.352	7.8	5.4	0.377	0.614	6.09	6.4	6.975	7.61
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	28	0.284	0.444	3.981	0.016	0.551	0.742	0.025	0.106	0.398	0.815

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	15	27.5	24.467	30.	8.5	66.695	8.167	8.8	27.	29.	30.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	15	200.	200.667	300.	120.	3235.238	56.879	132.	170.	200.	300.
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	15	9.6	8.913	11.8	6.1	4.161	2.04	6.1	6.9	10.4	11.68
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	15	90.	108.	157.	80.	840.571	28.993	80.	86.	137.	155.8
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	12	6.9	7.017	7.7	6.7	0.107	0.327	6.7	6.825	7.275	7.64
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	12	6.9	6.932	7.7	6.7	0.115	0.339	6.7	6.825	7.275	7.64
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	12	0.126	0.117	0.2	0.02	0.003	0.059	0.023	0.061	0.15	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	8	25.5	25.313	29.	21.5	6.21	2.492	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	8	7500.	6829.25	13000.	504.	24977038.786	4997.703	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	8	2.8	3.413	8.	0.5	8.216	2.866	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	8	34.5	42.225	103.	6.	1296.062	36.001	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	8	6.9	6.913	7.2	6.6	0.044	0.21	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	8	6.9	6.868	7.2	6.6	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	8	0.126	0.135	0.251	0.063	0.004	0.065	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	7	21.5	19.5	22.	16.	8.833	2.972	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	7	150.	149.286	160.	135.	81.571	9.032	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	7	5.8	6.986	8.7	5.7	2.378	1.542	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	7	68.	75.143	86.	65.	104.143	10.205	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	7	6.2	6.329	6.8	6.1	0.086	0.293	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	7	6.2	6.261	6.8	6.1	0.091	0.302	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	7	0.631	0.549	0.794	0.158	0.069	0.263	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	6	17.75	17.75	18.5	17.	0.675	0.822	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	6	150.	163.333	225.	140.	1016.667	31.885	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	6	8.5	8.467	9.2	7.5	0.519	0.72	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	6	87.5	87.167	93.	79.	31.767	5.636	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	6	6.35	6.367	6.6	6.1	0.051	0.225	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	6	6.325	6.32	6.6	6.1	0.053	0.231	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	6	0.474	0.479	0.794	0.251	0.055	0.235	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	7	18.5	18.571	21.	17.	2.869	1.694	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	7	390.	3355.286	11000.	150.	25648292.238	5064.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	7	8.3	6.043	8.5	0.6	13.936	3.733	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	7	86.	64.286	94.	7.	1543.905	39.293	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	7	7.2	7.143	7.4	6.9	0.033	0.181	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	7	7.2	7.111	7.4	6.9	0.034	0.184	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	7	0.063	0.077	0.126	0.04	0.001	0.031	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	3	19.	19.167	19.5	19.	0.083	0.289	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	3	77.	77.333	79.	76.	2.333	1.528	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	3	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	3	68.	68.	68.	68.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	3	5.3	5.267	5.3	5.2	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	3	5.3	5.264	5.3	5.2	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	3	5.012	5.444	6.31	5.012	0.561	0.749	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	43	26.5	25.702	33.	18.	14.385	3.793	20.2	23.2	29.	30.16
00078	TRANSPARENCY, SECCHI DISC (METERS)	10	0.44	0.442	0.6	0.33	0.009	0.095	0.33	0.345	0.52	0.595
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	43	170.	2198.744	17000.	96.	23557463.052	4853.603	130.	140.	230.	12800.
00300	OXYGEN, DISSOLVED MG/L	43	6.7	5.93	8.4	0.3	5.385	2.321	0.8	5.8	7.2	8.1
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	43	80.	71.693	96.	4.	727.614	26.974	10.	71.	88.	91.
00400	PH (STANDARD UNITS)	43	7.	7.021	7.7	5.4	0.115	0.338	6.8	6.9	7.2	7.4
00400	CONVERTED PH (STANDARD UNITS)	43	7.	6.726	7.7	5.4	0.203	0.451	6.8	6.9	7.2	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	43	0.1	0.188	3.981	0.02	0.352	0.594	0.04	0.063	0.126	0.158
00600	NITROGEN, TOTAL (MG/L AS N)	9	0.46	0.539	0.85	0.38	0.023	0.151	0.38	0.43	0.64	0.85
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	14	0.01	0.019	0.08	0.	0.	0.022	0.	0.008	0.025	0.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	14	0.008	0.007	0.03	0.	0.	0.008	0.	0.	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	14	0.02	0.021	0.05	0.	0.	0.019	0.	0.	0.04	0.05
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	9	0.43	0.517	0.83	0.37	0.024	0.154	0.37	0.405	0.63	0.83
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	9	0.02	0.022	0.05	0.01	0.	0.015	0.01	0.01	0.035	0.05
00665	PHOSPHORUS, TOTAL (MG/L AS P)	14	0.04	0.044	0.08	0.02	0.	0.015	0.025	0.038	0.053	0.07
71887	NITROGEN, TOTAL, AS NO3 - MG/L	9	2.	2.389	3.8	1.7	0.466	0.683	1.7	1.9	2.85	3.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	29	17.	15.341	21.	11.	12.34	3.513	11.	11.35	17.	20.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	6	0.42	0.432	0.61	0.28	0.012	0.11	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	29	170.	4014.897	23000.	95.	61628559.167	7850.386	100.	130.	2550.	22000.
00300	OXYGEN, DISSOLVED MG/L	29	8.8	7.493	10.	0.	11.325	3.365	0.	8.35	9.15	9.9
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	29	86.	73.445	102.9	0.	1074.831	32.785	0.	81.5	91.5	93.
00400	PH (STANDARD UNITS)	29	6.5	6.676	7.8	6.1	0.184	0.429	6.2	6.5	6.75	7.6
00400	CONVERTED PH (STANDARD UNITS)	29	6.5	6.537	7.8	6.1	0.204	0.452	6.2	6.5	6.75	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	29	0.316	0.291	0.794	0.016	0.037	0.192	0.025	0.179	0.316	0.631
00600	NITROGEN, TOTAL (MG/L AS N)	4	0.585	0.577	0.7	0.44	0.011	0.107	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	6	0.015	0.037	0.09	0.	0.002	0.042	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	8	0.008	0.009	0.02	0.	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	8	0.025	0.086	0.3	0.	0.018	0.132	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	5	0.6	0.58	0.68	0.43	0.01	0.099	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	5	0.03	0.027	0.05	0.	0.	0.022	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	8	0.055	0.064	0.15	0.03	0.001	0.038	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	4	2.6	2.55	3.1	1.9	0.25	0.5	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	56	20.45	19.882	29.	8.5	23.271	4.824	12.6	16.375	24.275	25.63
00078	TRANSPARENCY, SECCHI DISC (METERS)	13	0.34	0.347	0.51	0.24	0.005	0.074	0.252	0.29	0.395	0.478
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	56	160.	901.179	11000.	76.	6425642.44	2534.885	120.	140.	297.5	764.
00300	OXYGEN, DISSOLVED MG/L	56	7.2	7.021	9.9	0.5	4.463	2.113	5.7	6.325	8.475	9.63
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	56	78.5	75.571	103.	6.	413.995	20.347	66.4	72.	86.	93.
00400	PH (STANDARD UNITS)	47	6.7	6.583	7.4	5.2	0.287	0.535	5.64	6.4	6.9	7.3
00400	CONVERTED PH (STANDARD UNITS)	47	6.7	6.156	7.4	5.2	0.473	0.687	5.64	6.4	6.9	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	47	0.2	0.697	6.31	0.04	1.98	1.407	0.05	0.126	0.398	2.392
00600	NITROGEN, TOTAL (MG/L AS N)	10	0.785	1.146	4.6	0.34	1.531	1.237	0.357	0.615	1.05	4.26
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	18	0.03	0.082	0.67	0.	0.024	0.154	0.	0.01	0.083	0.229
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	18	0.008	0.009	0.04	0.	0.	0.012	0.	0.	0.014	0.031

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/68-04/09/81	19	0.09	0.224	1.2	0.01	0.123	0.351	0.01	0.03	0.2	1.099
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/74-04/28/82	11	0.78	1.095	4.6	0.31	1.425	1.194	0.338	0.56	1.1	3.92
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/74-04/28/82	11	0.05	0.055	0.14	0.01	0.002	0.04	0.012	0.02	0.07	0.134
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/01/68-04/28/82	18	0.05	0.076	0.24	0.03	0.004	0.063	0.03	0.04	0.073	0.204
71887	NITROGEN, TOTAL, AS NO3 - MG/L	09/05/74-04/09/81	10	3.5	5.05	20.	1.5	28.754	5.362	1.58	2.75	4.65	18.54

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-04/28/82	25	28.1	28.132	31.	24.1	5.401	2.324	24.16	27.	30.	30.72
00078	TRANSPARENCY, SECCHI DISC (METERS)	03/07/68-04/28/82	5	0.35	0.336	0.41	0.23	0.005	0.073	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-04/28/82	25	160.	2491.2	22000.	110.	35949969.333	5995.829	116.	130.	205.	14000.
00300	OXYGEN, DISSOLVED MG/L	03/07/68-04/28/82	25	6.4	6.988	11.8	0.	9.844	3.137	0.9	6.3	9.55	11.12
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	03/07/68-04/28/82	25	84.	89.584	157.	0.	1684.296	41.04	12.	77.	120.95	145.4
00400	PH (STANDARD UNITS)	03/07/68-04/28/82	22	6.8	6.664	7.2	6.	0.154	0.392	6.1	6.175	7.	7.07
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-04/28/82	22	6.789	6.487	7.2	6.	0.187	0.432	6.1	6.175	7.	7.07
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-04/28/82	22	0.163	0.326	1.	0.063	0.096	0.31	0.086	0.1	0.672	0.794
00600	NITROGEN, TOTAL (MG/L AS N)	09/05/74-04/09/81	4	0.59	0.555	0.64	0.4	0.011	0.106	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/68-04/28/82	6	0.03	0.242	1.299	0.005	0.269	0.518	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/68-04/28/82	6	0.01	0.026	0.11	0.	0.002	0.042	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/07/68-04/09/81	5	0.05	0.05	0.1	0.	0.002	0.041	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/74-04/28/82	4	0.55	0.515	0.56	0.4	0.006	0.077	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/74-04/28/82	4	0.05	0.053	0.08	0.03	0.	0.021	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/01/68-04/28/82	6	0.06	0.088	0.24	0.03	0.006	0.077	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	09/05/74-04/09/81	4	2.6	2.45	2.8	1.8	0.197	0.443	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: BITH0006

NPS Station ID: BITH0006	LAT/LON: 30.156115/ -94.114170	Agency: 112WRD	Date Created: 09/25/82
Location: 9310703SABINE-NECHES ES LINE 107 SITE 03		FIPS State/County: 48361 TEXAS/ORANGE	
Station Type: /TYP/AMBNT/ESTURY		STORET Station ID(s): 300922094065100	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:			
HUC: 12020003	Depth of Water: 0	Aquifer:	
Major Basin:	Elevation: 0	Water Body Id:	
Minor Basin:		ECO Region:	
RF1 Index: 12020003001	RF1 Mile Point: 30.680	Distance from RF1: 0.00	On/Off RF1: ON
RF3 Index: 12020003000117.64	RF3 Mile Point: 17.71	Distance from RF3: 0.02	On/Off RF3:
Description:			

Parameter Inventory for Station: BITH0006

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	03/07/68-03/07/68	2	16.5	16.5	17.	16.	0.5	0.707	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	03/07/68-03/07/68	2	20.5	20.5	21.	20.	0.5	0.707	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS Na)	03/07/68-03/07/68	2	28.	28.	28.	28.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	03/07/68-03/07/68	2	45.	45.	46.	44.	2.	1.414	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	03/07/68-03/07/68	2	28.	28.	29.	27.	2.	1.414	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	03/07/68-03/07/68	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)	03/07/68-03/07/68	2	0.075	0.075	0.09	0.06	0.	0.021	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/07/68-03/07/68	2	137.5	137.5	139.	136.	4.5	2.121	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/07/68-03/07/68	2	0.185	0.185	0.19	0.18	0.	0.007	**	**	**	**
71865 IODIDE (MG/L AS I)	03/07/68-03/07/68	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)	03/07/68-03/07/68	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0006

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0007

NPS Station ID: BITH0007 LAT/LON: 30.157781/ -94.115003

Location: NECHES RIVER AT HIGH LINE CROSSING@0.2 KILOMETER

Station Type: /TYP/AMBNT/ESTURY

RMI-Indexes:

RMI-Miles:

HUC: 12020003

Major Basin:

Minor Basin: Neches River Basin

RF1 Index: 12020003

RF3 Index: 12030202002201.13

Description:

NECHES RIVER AT HIGH LINE CROSSING@0.2 KILOMETERS DOWNSTREAM OF PINE IS AND BAYOU

Agency: 21TXWQB

FIPS State/County: 48245 TEXAS/JEFFERSON

STORET Station ID(s): 10579 /0602.0005 /602.50

Within Park Boundary: No

Date Created: 07/23/94

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.12

Aquifer:

Water Body Id:

ECO Region: 34M

Distance from RF1: 0.00

Distance from RF3: 0.14

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: BITH0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/85-09/18/85	12	28.15	28.142	28.5	27.7	0.072	0.268	27.7	27.95	28.3	28.5
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/17/85-09/18/85	12	82.7	82.658	83.3	81.9	0.217	0.466	81.9	82.3	82.9	83.3
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/17/85-09/18/85	12	200.5	208.	304.	178.	1219.818	34.926	179.2	183.5	213.5	285.1
00300 OXYGEN, DISSOLVED MG/L	09/17/85-09/18/85	12	6.8	6.7	7.2	6.2	0.127	0.357	6.23	6.325	7.	7.14
00400 PH (STANDARD UNITS)	09/17/85-09/18/85	12	7.4	7.408	7.8	7.1	0.032	0.178	7.16	7.3	7.5	7.74
00400 CONVERTED PH (STANDARD UNITS)	09/17/85-09/18/85	12	7.4	7.377	7.8	7.1	0.033	0.181	7.16	7.3	7.5	7.74
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/85-09/18/85	12	0.04	0.042	0.079	0.016	0.	0.016	0.019	0.032	0.05	0.071

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0007

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
00400 PH	Other-Hi Lim.	9.	12	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Other-Lo Lim.	6.5	12	0	0.00	12	0	0.00	12	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0008

NPS Station ID: BITH0008
 Location: PINE ISLAND BAYOU STA 18 NEAR MOUTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin: WESTERN GULF
 Minor Basin: SABINE RIVER
 RF1 Index: 12020003001
 RF3 Index: 12020003053400.00
 Description:

LAT/LON: 30.162227/ -94.116115

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 33.570
 RF3 Mile Point: 0.17

Agency: 11POX06
 FIPS State/County: 48245 TEXAS/JEFFERSON
 STORET Station ID(s): TOX067
 Within Park Boundary: Yes

Date Created: 08/01/81

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.37

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: BITH0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/23/80-09/23/80	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/80-09/23/80	1	2.	2.	2.	2.	0.	0.	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/23/80-09/23/80	1	18.	18.	18.	18.	0.	0.	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	09/23/80-09/23/80	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/23/80-09/23/80	1	20.	20.	20.	20.	0.	0.	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	1	17.	17.	17.	17.	0.	0.	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/23/80-09/23/80	1	64.	64.	64.	64.	0.	0.	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/23/80-09/23/80	1	39.	39.	39.	39.	0.	0.	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/23/80-09/23/80	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/23/80-09/23/80	1	293.	293.	293.	293.	0.	0.	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/23/80-09/23/80	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	09/23/80-09/23/80	1	1.	1.	1.	1.	0.	0.	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/23/80-09/23/80	1	67.	67.	67.	67.	0.	0.	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/23/80-09/23/80	1	77.	77.	77.	77.	0.	0.	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/23/80-09/23/80	1	16.	16.	16.	16.	0.	0.	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/23/80-09/23/80	1	7.	7.	7.	7.	0.	0.	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/23/80-09/23/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**
34205	ACENAPHTHENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**
34210	ACROLEIN TOTWUG/L	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**
34213	ACROLEIN DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5000.	5000.	5000.	5000.	0.	0.	**	**	**
34215	ACRYLONITRILE TOTWUG/L	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**
34218	ACRYLONITRILE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5000.	5000.	5000.	5000.	0.	0.	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**

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Parameter Inventory for Station: BITH0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34237	BENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34257	B-BHC-BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34290	BROMOFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34304	CHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34314	CHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34318	CHLOROFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34374	ETHYLBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34416	METHYL BROMIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/23/80-09/23/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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Parameter Inventory for Station: BITH0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34438	N-NITROSODIMETHYLAMINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34483	TOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34611	2,4-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	09/23/80-09/23/80	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1250.	1250.	1250.	1250.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	09/23/80-09/23/80	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1250.	1250.	1250.	1250.	0.	0.	**	**	**	**
34668	DICHLORODIFLUOROMETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34678	2,3,7,8-TETRACHLORODIBENZO-P-DIOXINDRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	09/23/80-09/23/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	09/23/80-09/23/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	09/23/80-09/23/80	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39491	PCB - 1221 BOT. DEP. PCB SERIES DRY SOL UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39495	PCB - 1232 BOT. DEP. PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP. PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/23/80-09/23/80	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
81945	ANTHRACENE&PHENANTHRENE IN WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
81948	ANTHRACENE&PHENANTHRENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: BITH0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00								
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00								
		Drinking Water	50.	1	0	0.00	1	0	0.00								
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00	1	1	1.00								
		Drinking Water	5.	1	1	1.00	1	1	1.00								
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00								
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00								
		Drinking Water	1300.	1	0	0.00	1	0	0.00								
01051	LEAD, TOTAL	Fresh Acute	82.	1	1	1.00	1	1	1.00								
		Drinking Water	5.	1	1	1.00	1	1	1.00								
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00								
		Drinking Water	2.	1	0	0.00	1	0	0.00								
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00								
		Drinking Water	100.	1	0	0.00	1	0	0.00								
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00								
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00								
		Drinking Water	50.	1	0	0.00	1	0	0.00								
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00								
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00								
		Drinking Water	5.	1	0	0.00	1	0	0.00								
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00	1	0	0.00								
		Drinking Water	5.	1	0	0.00	1	0	0.00								
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00								
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00								
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00								
		Drinking Water	100.	1	0	0.00	1	0	0.00								
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00								
		Drinking Water	1000.	1	0	0.00	1	0	0.00								
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00	1	0	0.00								
34210	ACROLEIN, TOTAL	Fresh Acute	68.	0 &	0	0.00											
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00	1	0	0.00								
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00								
34346	1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00								
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00								
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00								
		Drinking Water	700.	1	0	0.00	1	0	0.00								
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00	1	0	0.00								
34386	HEXACHLOROCYCLOPENTADIENE	Fresh Acute	7.	1	0	0.00	1	0	0.00								
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Drinking Water	50.	1	0	0.00	1	0	0.00								
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00	1	0	0.00								
34403	IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0 &	0	0.00											
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00	1	0	0.00								
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00								
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00	1	0	0.00								
34452	PARACHLOROMETA CRESOL., TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00								
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00								
		Drinking Water	5.	1	0	0.00	1	0	0.00								
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00								
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00								
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00								
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00								
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00								
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00								
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	9.	1	0	0.00	1	0	0.00								
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00								
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00								
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00	1	0	0.00								
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00	1	0	0.00								
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00	1	0	0.00								
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00	1	0	0.00								
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN, TOT	Fresh Acute	0.01	0 &	0	0.00											
		Drinking Water	0.000	05								0 &	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00								
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00								
		Drinking Water	1.	0 &	0	0.00											
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	400.	1	0	0.00	1	0	0.00								
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00								
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00								
		Drinking Water	5.	1	0	0.00	1	0	0.00								
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00								
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00								
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00								
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00								
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00								
		Drinking Water	0.2	1	0	0.00	1	0	0.00								
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00								
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00								
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00								
		Drinking Water	0.2	1	0	0.00	1	0	0.00								
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00								
		Drinking Water	0.4	1	0	0.00	1	0	0.00								
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00								
		Drinking Water	0.2	1	0	0.00	1	0	0.00								
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	0 &	0	0.00											
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00	1	0	0.00								
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0009

NPS Station ID: BITH0009
 Location: NECHES RIVER AT BUNNS BLUFF STA 9
 Station Type: /TYP/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin: WESTERN GULF
 Minor Basin: SABINE RIVER
 RF1 Index: 12020003001
 RF3 Index: 12020003000120.00
 Description:

LAT/LON: 30.162503/ -94.113893

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 31.130
 RF3 Mile Point: 23.08

Agency: 11POX06
 FIPS State/County: 48361 TEXAS/ORANGE
 STORET Station ID(s): TOX066
 Within Park Boundary: Yes

Date Created: 08/01/81

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.05

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: BITH0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/23/80-09/23/80	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**
00721	CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/23/80-09/23/80	1	2.	2.	2.	2.	0.	0.	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/23/80-09/23/80	1	15.	15.	15.	15.	0.	0.	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	09/23/80-09/23/80	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/23/80-09/23/80	1	20.	20.	20.	20.	0.	0.	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	1	19.	19.	19.	19.	0.	0.	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/23/80-09/23/80	1	64.	64.	64.	64.	0.	0.	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/23/80-09/23/80	1	39.	39.	39.	39.	0.	0.	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/23/80-09/23/80	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/23/80-09/23/80	1	293.	293.	293.	293.	0.	0.	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/23/80-09/23/80	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	09/23/80-09/23/80	1	1.	1.	1.	1.	0.	0.	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/23/80-09/23/80	1	67.	67.	67.	67.	0.	0.	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/23/80-09/23/80	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/23/80-09/23/80	1	77.	77.	77.	77.	0.	0.	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/23/80-09/23/80	1	20.	20.	20.	20.	0.	0.	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/23/80-09/23/80	1	7.	7.	7.	7.	0.	0.	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/23/80-09/23/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**
32731	PHENOLICS IN BOTTOM DEPOSITS (MG/KG DRY WGT)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**
34205	ACENAPHTHENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**
34210	ACROLEIN TOTWUG/L	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**
34213	ACROLEIN DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5000.	5000.	5000.	5000.	0.	0.	**	**	**
34215	ACRYLONITRILE TOTWUG/L	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**
34218	ACRYLONITRILE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5000.	5000.	5000.	5000.	0.	0.	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34237	BENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34257	B-BHC-BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34271	BIS (CHLOROMETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34290	BROMOFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34304	CHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34314	CHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34318	CHLOROFORM DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34334	DICHLORODIFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34374	ETHYLBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34416	METHYL BROMIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/23/80-09/23/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34438	N-NITROSODIMETHYLAMINE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34483	TOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34491	TRICHLOROFLUOROMETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34611	2,4-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	09/23/80-09/23/80	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	09/23/80-09/23/80	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1250.	1250.	1250.	1250.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	09/23/80-09/23/80	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	1250.	1250.	1250.	1250.	0.	0.	**	**	**	**
34668	DICHLORODIFLUOROMETHANE TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34678	2,3,7,8-TETRACHLORODIBENZO-P-DIOXINDRY WGTBOTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	09/23/80-09/23/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	09/23/80-09/23/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	09/23/80-09/23/80	1 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39359	DDT SUM ANALOGS IN SEDIMENT UG/KG DRY WEIGHT	09/23/80-09/23/80	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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Parameter Inventory for Station: BITH0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	09/23/80-09/23/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
39700	HEXACHLORO BENZENE IN WHOLE WATER SAMPLE (UG/L)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39701	HEXACHLORO BENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/23/80-09/23/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
81945	ANTHRACENE&PHENANTHRENE IN WHOLE WATER SAMPLE UG/L	09/23/80-09/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
81948	ANTHRACENE&PHENANTHRENE SEDIMENT DRY WEIGHT UG/KG	09/23/80-09/23/80	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: BITH0009

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00								
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00								
		Drinking Water	50.	1	0	0.00	1	0	0.00								
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00	1	1	1.00								
		Drinking Water	5.	1	1	1.00	1	1	1.00								
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00								
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00								
		Drinking Water	1300.	1	0	0.00	1	0	0.00								
01051	LEAD, TOTAL	Fresh Acute	82.	1	1	1.00	1	1	1.00								
		Drinking Water	5.	1	1	1.00	1	1	1.00								
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00								
		Drinking Water	2.	1	0	0.00	1	0	0.00								
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00								
		Drinking Water	100.	1	0	0.00	1	0	0.00								
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00								
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00								
		Drinking Water	50.	1	0	0.00	1	0	0.00								
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00								
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00								
		Drinking Water	5.	1	0	0.00	1	0	0.00								
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00	1	0	0.00								
		Drinking Water	5.	1	0	0.00	1	0	0.00								
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00								
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00								
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00								
		Drinking Water	100.	1	0	0.00	1	0	0.00								
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00								
		Drinking Water	1000.	1	0	0.00	1	0	0.00								
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00	1	0	0.00								
34210	ACROLEIN, TOTAL	Fresh Acute	68.	0 &	0	0.00											
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00	1	0	0.00								
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0009

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
34346 1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	1	0	0.00	1	0	0.00									
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34371 ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
	Drinking Water	700.	1	0	0.00	1	0	0.00									
34376 FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00	1	0	0.00									
34386 HEXACHLOROCYCLOPENTADIENE	Fresh Acute	7.	1	0	0.00	1	0	0.00									
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Drinking Water	50.	1	0	0.00	1	0	0.00									
34396 HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00	1	0	0.00									
34403 IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0 &	0	0.00												
34408 ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00	1	0	0.00									
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34447 NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00	1	0	0.00									
34452 PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00									
34475 TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
	Drinking Water	5.	1	0	0.00	1	0	0.00									
34501 1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506 1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536 1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541 1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	9.	1	0	0.00	1	0	0.00									
34566 1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571 1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
34586 2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00	1	0	0.00									
34601 2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00	1	0	0.00									
34606 2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00	1	0	0.00									
34611 2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00	1	0	0.00									
34675 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN, TOT	Fresh Acute	0.01	0 &	0	0.00												
	Drinking Water	0.000	05									0&	0	0.00			
34696 NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00									
	Drinking Water	1.	0 &	0	0.00												
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	400.	1	0	0.00	1	0	0.00									
39175 VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00									
39180 TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
	Drinking Water	5.	1	0	0.00	1	0	0.00									
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	0 &	0	0.00												
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00	1	0	0.00									
39702 HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0010

NPS Station ID: BITH0010
 Location: IMMEDIATELY UPSTM OF COOK'S LAKE
 Station Type: /TYP/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020003001
 RF3 Index: 12020006009600.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU AT MOUTH, IMMEDIATELY UPSTREAM OF CO OK'S LAKE

LAT/LON: 30.168059/ -94.116670

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 33.804
 RF3 Mile Point: 1.56

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-1
 Within Park Boundary: Yes

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 22.60
 Distance from RF3: 0.40

Date Created: 10/25/78

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: BITH0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	2	9.25	9.25	15.	3.5	66.125	8.132	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2 ##	0.26	0.26	0.3	0.22	0.003	0.057	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	17.5	17.5	24.	11.	84.5	9.192	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	2	7.2	7.2	7.4	7.	0.08	0.283	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	2	23.	23.	24.	22.	2.	1.414	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	2	450.	450.	560.	340.	24200.	155.563	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	12.5	12.5	17.	8.	40.5	6.364	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	2 ##	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	2	51.	51.	51.	51.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	2 ##	0.455	0.455	0.85	0.06	0.312	0.559	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0011

NPS Station ID: BITH0011 LAT/LON: 30.170004/-94.154448

Location: PINE ISLAND BAYOU AT LNVA LOWER PUMP STATION 6.6

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 12020007

Major Basin:

Minor Basin: Neches River Basin

RF1 Index: 12020007

RF3 Index: 12030202002201.13

Description:

PINE ISLAND BAYOU AT LNVA LOWER PUMP STATION 6.6 KM UPSTREAM OF NECHES IVER CONFLUENCE

Agency: 21TXWQB

FIPS State/County: 48199 TEXAS/HARDIN

STORET Station ID(s): 10599 /0607.0050 /607.500

Within Park Boundary: Yes

Date Created: 07/23/94

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.12

Aquifer:

Water Body Id:

ECO Region: 34M

Distance from RF1: 0.00

Distance from RF3: 0.14

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: BITH0011

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	3	30.2	30.167	30.2	30.1	0.003	0.058	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	3	162.	162.	163.	161.	1.	1.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/87-08/25/87	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	3	6.5	6.467	6.5	6.4	0.003	0.058	**	**	**	**
00307 BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00308 BOD, NITROGEN INHIB., TOTAL, 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00309 BOD, NITROGEN INHIB., DISS., 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00314 BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	08/25/87-08/25/87	3	7.1	7.1	7.2	7.	0.01	0.1	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	08/25/87-08/25/87	3	7.1	7.092	7.2	7.	0.01	0.1	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	3	0.079	0.081	0.1	0.063	0.	0.018	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	08/25/87-08/25/87	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	08/25/87-08/25/87	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	08/25/87-08/25/87	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/25/87-08/25/87	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/25/87-08/25/87	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/87-08/25/87	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/87-08/25/87	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/25/87-08/25/87	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/87-08/25/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00684 CARBON DISSOLVED ORGANIC WHATMAN GF/F MG/L AS C	08/25/87-08/25/87	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/25/87-08/25/87	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	08/25/87-08/25/87	1	17.	17.	17.	17.	0.	0.	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	1	5.	5.	5.	5.	0.	0.	**	**	**	**
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	1	11.	11.	11.	11.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/25/87-08/25/87	1	116.	116.	116.	116.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0011

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED																
	Fresh Acute	4.	3	0	0.00	3	0	0.00									
00400	PH																
	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
	Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00403	PH, LAB																
	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N																
	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N																
	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE, TOTAL IN WATER																
	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)																
	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0012

NPS Station ID: BITH0012
 Location: APP 1 MI DWNSTM OF CONFLU W/ L P
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007004
 RF3 Index: 12020007000400.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU, APPROXIMATELY ONE MILE DOWNSTREAMO F CONFLUENCE WITH LITTLE PINE ISLAND BAYOU

LAT/LON: 30.171949/ -94.274170

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 6.120
 RF3 Mile Point: 0.15

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-7
 Within Park Boundary: No

Date Created: 10/25/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.02

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: BITH0012

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	2	1.55	1.55	1.7	1.4	0.045	0.212	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/08/75-07/22/76	2 ##	0.058	0.058	0.075	0.04	0.001	0.025	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/08/75-07/22/76	2	18.95	18.95	30.	7.9	244.205	15.627	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	2	5.05	5.05	5.9	4.2	1.445	1.202	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	2	9.9	9.9	12.	7.8	8.82	2.97	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	2	235.	235.	240.	230.	50.	7.071	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/08/75-07/22/76	2	12.1	12.1	20.	4.2	124.82	11.172	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	2 ##	0.058	0.058	0.075	0.04	0.001	0.025	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	2	19.5	19.5	21.	18.	4.5	2.121	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	2 ##	0.5	0.5	0.85	0.15	0.245	0.495	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS.DRY WGT,UG/KG	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	2 ##	0.275	0.275	0.35	0.2	0.011	0.106	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0013

NPS Station ID: BITH0013
 Location: PINE ISLAND BAYOU AT MOUTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020003002
 RF3 Index: 12020003017800.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU AT MOUTH

LAT/LON: 30.172226/ -94.116670

Depth of Water: 999
 Elevation: 0
 RF1 Mile Point: 0.290
 RF3 Mile Point: 0.00

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 06079901
 Within Park Boundary: Yes

Date Created: 01/29/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1: OFF
 On/Off RF3:

SAMPLES ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	1	340.	340.	340.	340.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-10/07/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39343 GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	07/20/76-07/20/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39393 ENDRIIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/20/76-07/20/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/20/76-07/20/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/20/76-07/20/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/20/76-07/20/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0013

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
	Fresh Acute	3.9	0 &	0	0.00												
01027 CADMIUM, TOTAL	Drinking Water	5.	0 &	0	0.00												
	Drinking Water	100.	1	0	0.00										1	0	0.00
	Fresh Acute	18.	1	0	0.00										1	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	1300.	1	0	0.00										1	0	0.00
	Fresh Acute	82.	1	0	0.00										1	0	0.00
	Drinking Water	5.	0 &	0	0.00										1	0	0.00
01051 LEAD, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
	Fresh Acute	4.1	0 &	0	0.00												
01067 NICKEL, TOTAL	Drinking Water	50.	1	0	0.00										1	0	0.00
	Fresh Acute	120.	1	0	0.00										1	0	0.00
	Drinking Water	20.	1	0	0.00										1	0	0.00
01077 SILVER, TOTAL	Drinking Water	50.	1	0	0.00										1	0	0.00
	Fresh Acute	2.4	1	0	0.00										1	0	0.00
	Drinking Water	2.	1	0	0.00										1	0	0.00
01092 ZINC, TOTAL																	
01147 SELENIUM, TOTAL																	
71900 MERCURY, TOTAL																	

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0014

NPS Station ID: BITH0014
 Location: PINE ISL BAYOU AT SUICIDE BEND
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007001
 RF3 Index: 12020007013000.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU AT SUICIDE BEND

LAT/LON: 30.176392/ -94.158338

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 2.870
 RF3 Mile Point: 0.00

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-2
 Within Park Boundary: Yes

Date Created: 10/27/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 13.00
 Distance from RF3: 0.03

On/Off RF1: ON
 On/Off RF3:

SEDIMENT ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	2	4.45	4.45	7.4	1.5	17.405	4.172	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2 ##	0.133	0.133	0.135	0.13	0.	0.004	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	28.5	28.5	44.	13.	480.5	21.92	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	2	18.5	18.5	21.	16.	12.5	3.536	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	2	519.5	519.5	789.	250.	145260.5	381.131	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	20.65	20.65	32.	9.3	257.645	16.051	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	2 ##	0.163	0.163	0.19	0.135	0.002	0.039	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	2	42.5	42.5	48.	37.	60.5	7.778	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	2 ##	0.56	0.56	0.85	0.27	0.168	0.41	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	2	0.75	0.75	1.1	0.4	0.245	0.495	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0015

NPS Station ID: BITH0015 LAT/LON: 30.178615/ -94.185838
 Location: PINE ISLAND BAYOU AT US 69 /US 96/US 287 AT VOTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin: Neches River Basin
 RF1 Index: 12020003 RF1 Mile Point: 0.000
 RF3 Index: 12030202002201.13 RF3 Mile Point: 1.12
 Description:
 PINE ISLAND BAYOU AT US 69 /US 96/US 287 AT VOTH

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10602 /0607.0100 /607.1000
 Within Park Boundary: No

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	262	22.1	20.993	34.	6.5	50.545	7.109	10.2	15.	27.025	29.34
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	194	69.8	68.776	93.	43.7	157.07	12.533	50.	59.	80.6	84.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/14/74-08/14/74	1	0.	0.	0.	0.	0.	**	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/19/68-03/11/80	63	88.	94.095	230.	19.	2216.184	47.076	45.	57.	123.	166.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/19/77-12/14/88	40	12.	13.375	37.	6.	38.138	6.176	7.	9.25	16.	20.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/10/89-06/16/93	5	0.43	0.426	0.58	0.29	0.014	0.119	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/16/71-08/16/71	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12-06/73	3	315.	370.	500.	295.	12775.	113.027	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	245	169.	183.045	916.	50.	11443.805	106.976	86.8	120.	218.	287.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/68-09/21/87	87	150.	174.782	600.	49.	8526.87	92.341	74.8	105.	250.	281.2
00300	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	262	5.4	5.539	10.9	0.	3.095	1.759	3.5	4.5	6.7	7.9
00310	BOD, 5 DAY, 20 DEG C MG/L	12/19/68-06/11/73	21	2.5	2.619	4.5	1.	0.623	0.789	1.6	2.25	3.	3.9
00400	PH (STANDARD UNITS)	08/27/70-06/16/93	248	6.9	6.982	8.6	5.5	0.381	0.617	6.2	6.6	7.4	7.9
00400	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	248	6.9	6.614	8.6	5.5	0.518	0.72	6.2	6.6	7.4	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	248	0.126	0.243	3.162	0.003	0.132	0.363	0.013	0.04	0.251	0.631
00403	PH, LAB, STANDARD UNITS SU	12/19/68-09/21/87	85	6.6	6.722	8.4	5.9	0.266	0.515	6.1	6.35	6.95	7.48
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/68-09/21/87	85	6.6	6.508	8.4	5.9	0.312	0.559	6.1	6.35	6.95	7.48
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/68-09/21/87	85	0.251	0.31	1.259	0.004	0.075	0.274	0.034	0.113	0.45	0.794
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	75	22.	23.473	55.	2.5	122.803	11.082	10.	16.	30.	41.8
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	02/25/75-06/15/78	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	01/07/75-06/15/76	5	38.	38.6	72.	16.	434.8	20.852	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/07/75-06/15/76	5	10.	13.4	24.	7.	49.3	7.021	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/72-06/16/93	77	17.	21.442	83.	4.	195.434	13.98	8.	11.	29.5	38.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/25/72-06/16/93	76	4.	5.329	19.	0.5	16.464	4.058	1.5	2.25	6.75	13.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/72-06/16/93	82	0.05	0.068	0.42	0.005	0.005	0.07	0.01	0.03	0.09	0.127
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/29/88-06/16/93	5	0.02	0.021	0.03	0.005	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/25/72-06/16/93	79	0.11	0.123	1.15	0.005	0.019	0.139	0.02	0.05	0.16	0.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/16/93-06/16/93	1	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/21/87-09/21/87	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/25/72-09/24/85	63	0.28	0.404	6.3	0.	0.663	0.814	0.15	0.21	0.34	0.43
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/85	57	0.06	0.136	3.1	0.015	0.2	0.447	0.015	0.015	0.08	0.126
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/72-06/16/93	82	0.09	0.147	2.06	0.02	0.092	0.303	0.05	0.07	0.11	0.14
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	75	0.02	0.052	1.01	0.005	0.017	0.129	0.005	0.01	0.04	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-06/16/93	68	16.5	16.684	38.	1.5	61.365	7.834	8.	10.	22.	26.
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/68-06/16/93	97	23.	30.093	136.	3.	514.085	22.673	10.8	15.	38.	58.2
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/09/72-01/09/74	16	23.	23.75	41.	7.	99.933	9.997	9.1	15.5	33.	38.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/68-06/16/93	93	9.	9.935	29.	1.	34.751	5.895	3.	5.	14.	18.
31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,35C	09/13/73-09/13/73	1	2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,3	09/13/73-09/13/73	1	3.38	3.38	3.38	3.38	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,3	GEOMETRIC MEAN =		2400.									
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	05/17/72-06/11/73	5	1300.	1392.	2700.	200.	1044320.	1021.92	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	05/17/72-06/11/73	5	3.114	2.998	3.431	2.301	0.206	0.454	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =		994.535									
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	68	77.5	582.838	7800.	0.5	1953786.488	1397.779	10.	30.5	302.5	1352.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	68	1.889	1.992	3.892	-0.301	0.732	0.856	1.	1.484	2.48	3.111
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		98.221									
31619	FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48HR	05/17/72-06/11/73	5	80.	142.	390.	20.	21020.	144.983	**	**	**	**
31619	LOG FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,4	05/17/72-06/11/73	5	1.903	1.969	2.591	1.301	0.218	0.467	**	**	**	**
31619	GM FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48	GEOMETRIC MEAN =		93.085									
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/27/72-09/27/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/27/72-09/27/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =		1.									
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/25/72-06/16/93	68	3.75	6.882	49.	0.5	75.116	8.667	0.5	2.	7.75	20.31
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12/21/76-06/16/93	49	1.6	3.36	23.	0.	18.35	4.284	0.5	0.5	5.	9.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/19/77-09/07/78	5	173.	172.	246.	99.	5082.5	71.292	**	**	**	**
72053	DAYS SINCE PRECIPITATION EVENT DAYS	07/24/90-06/16/93	3	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
74069	FLOW, ESTIMATED STREAM CFS	09/21/83-09/21/83	1	4.	4.	4.	4.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: BITH0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	63	52	0.83	10	7	0.70	17	16	0.94	23	19	0.83	13	10	0.77
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	262	44	0.17	57	16	0.28	60	2	0.03	84	7	0.08	61	19	0.31
00400	PH	Other-Hi Lim.	9.	248	0	0.00	56	0	0.00	58	0	0.00	75	0	0.00	59	0	0.00
00403	PH, LAB	Other-Lo Lim.	6.5	248	58	0.23	56	5	0.09	58	16	0.28	75	19	0.25	59	18	0.31
		Other-Hi Lim.	9.	85	0	0.00	19	0	0.00	20	0	0.00	30	0	0.00	16	0	0.00
		Other-Lo Lim.	6.5	85	35	0.41	19	2	0.11	20	11	0.55	30	14	0.47	16	8	0.50
		Drinking Water	1.	5	0	0.00	1	0	0.00							4	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	10.	79	0	0.00	17	0	0.00	19	0	0.00	24	0	0.00	19	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	97	0	0.00	22	0	0.00	23	0	0.00	32	0	0.00	20	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	16	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00	4	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	93	0	0.00	21	0	0.00	23	0	0.00	29	0	0.00	20	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	1	1.00	1	1	1.00									
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	3	0.60	1	1	1.00	1	1	1.00	2	1	0.50	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	68	24	0.35	16	2	0.13	14	10	0.71	19	7	0.37	19	5	0.26

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00011p TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	6	16.45	16.317	27.	55.162	7.427	**	**	**	**
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	6	61.6	61.367	80.6	178.759	13.37	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	6	6.25	6.25	8.7	2.275	1.508	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	4	17.25	18.5	30.6	82.38	9.076	**	**	**	**
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	4	63.	65.25	87.	266.25	16.317	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	4	5.8	5.9	7.	1.107	1.052	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	1	8.6	8.6	8.6	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	1	8.6	8.6	8.6	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	1	0.003	0.003	0.003	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	4	19.7	20.825	32.8	84.336	9.183	**	**	**	**
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	4	67.5	69.5	91.	272.333	16.503	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	4	6.4	6.7	8.8	2.947	1.717	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	2	7.4	7.4	7.5	0.02	0.141	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	2	7.389	7.389	7.5	0.02	0.142	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	2	0.041	0.041	0.05	0.	0.013	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	11	21.1	21.218	27.2	21.78	4.667	12.32	17.8	25.6	26.88
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	11	70.	70.182	81.	70.364	8.388	54.2	64.	78.	80.4
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	5	130.	168.	250.	3420.	58.481	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	11	5.7	5.582	7.2	1.074	1.036	3.68	5.	6.3	7.04
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	10	6.75	6.65	7.2	0.125	0.354	6.1	6.4	6.9	7.17
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	10	6.747	6.515	7.2	0.145	0.381	6.1	6.4	6.9	7.17
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	10	0.179	0.305	0.794	0.073	0.27	0.069	0.126	0.436	0.794

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	12	22.8	21.308	29.4	10.	48.559	6.968	10.	15.7	27.65	28.92
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	12	73.	70.342	85.	50.	157.274	12.541	50.	60.25	81.75	84.1
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	115.	124.25	200.	61.	1474.023	38.393	69.7	96.25	150.	188.
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	12	5.7	5.708	7.5	3.6	1.492	1.221	3.81	4.625	6.8	7.29
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	12	6.5	6.467	7.	6.1	0.062	0.25	6.13	6.225	6.6	6.91
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	12	6.5	6.407	7.	6.1	0.066	0.258	6.13	6.225	6.6	6.91
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	12	0.316	0.392	0.794	0.1	0.042	0.206	0.13	0.251	0.599	0.745

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	11	23.3	21.827	28.9	12.8	31.06	5.573	13.46	16.1	26.9	28.78
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	11	74.	71.3	84.	55.	100.96	10.048	56.2	61.	80.5	83.8
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	11	140.	158.636	270.	100.	3805.455	61.688	100.	105.	210.	267.
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	11	6.8	6.655	8.1	5.	1.179	1.086	5.04	5.6	7.9	8.06
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	11	6.6	6.627	7.3	6.1	0.112	0.335	6.12	6.4	6.7	7.24
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	11	6.6	6.52	7.3	6.1	0.125	0.353	6.12	6.4	6.7	7.24
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	11	0.251	0.302	0.794	0.05	0.05	0.224	0.06	0.2	0.398	0.762

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	7	17.8	19.329	28.	12.5	39.396	6.277	**	**	**	**
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	7	64.	66.771	82.4	54.5	127.836	11.306	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	7	114.	136.571	250.	61.	5089.286	71.339	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	7	6.2	6.186	8.2	4.5	1.338	1.157	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	7	6.5	6.457	6.8	5.8	0.103	0.321	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	7	6.5	6.328	6.8	5.8	0.122	0.35	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	7	0.316	0.47	1.585	0.158	0.248	0.498	**	**	**	**

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Annual Analysis for 1976 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	4	23.55	22.15	28.5	13.	46.99	6.855	**	**	**	**
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	4	74.4	71.875	83.3	55.4	152.343	12.343	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	4	220.	248.25	445.	108.	23258.917	152.509	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	4	7.75	7.425	8.1	6.1	0.809	0.9	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	4	6.85	6.9	7.4	6.5	0.18	0.424	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	4	6.782	6.765	7.4	6.5	0.204	0.452	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	4	0.165	0.172	0.316	0.04	0.018	0.133	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	4	20.1	20.6	28.	14.2	49.413	7.029	**	**	**	**
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	4	68.2	69.	82.	57.6	156.507	12.51	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	4	146.	169.75	288.	99.	7089.583	84.2	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	4	6.2	6.25	7.7	4.9	2.27	1.507	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	4	6.45	6.475	7.	6.	0.183	0.427	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	4	6.425	6.334	7.	6.	0.209	0.457	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	4	0.376	0.463	1.	0.1	0.155	0.394	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	16	20.	19.938	30.	7.	62.135	7.883	7.7	13.575	27.75	29.44
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	15	71.6	68.613	86.	44.6	206.817	14.381	45.68	56.3	82.4	85.16
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	16	214.5	200.875	290.	88.	3523.45	59.359	103.4	156.25	240.	283.
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	16	6.	5.862	7.6	4.1	1.128	1.062	4.31	4.85	6.75	7.25
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	16	6.9	6.925	7.5	6.2	0.118	0.344	6.27	6.825	7.1	7.43
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	16	6.9	6.782	7.5	6.2	0.14	0.374	6.27	6.825	7.1	7.43
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	16	0.126	0.165	0.631	0.032	0.028	0.166	0.037	0.079	0.15	0.54

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	16	22.5	19.869	28.	8.	44.965	6.706	9.4	14.5	25.	27.3
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	16	72.5	67.763	82.4	46.4	145.621	12.067	48.92	58.1	77.	81.14
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	16	125.	134.75	240.	60.	2763.133	52.566	65.6	91.25	162.25	229.5
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	16	5.65	5.65	8.1	3.5	1.512	1.23	3.64	5.075	6.4	7.54
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	16	7.05	6.85	7.5	5.5	0.251	0.501	5.99	6.7	7.175	7.36
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	16	7.047	6.452	7.5	5.5	0.419	0.647	5.99	6.7	7.175	7.36
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	16	0.09	0.353	3.162	0.032	0.589	0.768	0.045	0.067	0.2	1.39

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	16	18.2	20.219	30.6	11.5	48.479	6.963	11.71	13.125	27.	30.18
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	16	64.75	68.394	87.1	52.7	157.259	12.54	53.05	55.625	80.6	86.33
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	16	180.	207.375	367.	80.	8191.583	90.507	101.	120.	301.25	327.1
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	16	6.05	6.094	8.6	4.5	0.978	0.989	4.85	5.6	6.5	7.62
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	15	6.7	6.707	7.5	6.	0.118	0.343	6.24	6.5	6.9	7.26
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	15	6.7	6.585	7.5	6.	0.134	0.366	6.24	6.5	6.9	7.26
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	15	0.2	0.26	1.	0.032	0.053	0.231	0.06	0.126	0.316	0.639

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	16	21.	20.581	29.	6.5	45.311	6.731	9.65	15.25	27.	28.02
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	16	69.8	69.05	84.2	43.7	146.767	12.115	49.37	59.45	80.6	82.45
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	16	180.	176.75	291.	70.	4323.4	65.753	70.	145.	217.5	288.2
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	16	5.55	5.419	7.1	3.6	0.987	0.993	3.81	4.65	5.8	7.1
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	16	6.8	6.819	7.9	5.8	0.419	0.647	5.87	6.35	7.25	7.9
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	16	6.8	6.438	7.9	5.8	0.574	0.757	5.87	6.35	7.25	7.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	16	0.158	0.365	1.585	0.013	0.234	0.484	0.013	0.057	0.455	1.357

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	18	22.75	21.939	34.	6.5	68.398	8.27	7.85	15.775	28.725	30.4
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	18	72.95	71.417	93.	43.7	219.523	14.816	46.13	60.4	83.425	86.7
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	18	205.	201.778	328.	95.	5087.124	71.324	95.	127.75	252.5	326.2
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	18	5.1	5.278	8.6	1.5	4.235	2.058	1.68	4.35	7.1	8.51
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	17	7.5	7.329	8.6	6.1	0.595	0.771	6.1	6.6	7.85	8.2
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	17	7.5	6.701	8.6	6.1	1.014	1.007	6.1	6.6	7.85	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	17	0.032	0.199	0.794	0.003	0.102	0.32	0.007	0.014	0.365	0.794

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Annual Analysis for 1983 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	16	21.75	20.038	30.	8.5	57.029	7.552	8.85	12.75	27.6	29.65
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	16	71.15	68.063	86.	47.3	184.611	13.587	47.93	54.95	81.65	85.37
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	16	137.5	136.625	200.	50.	1937.183	44.013	71.	104.	179.75	193.
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	16	5.2	5.7	10.9	2.9	4.111	2.027	3.46	4.425	7.15	9.15
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	16	7.7	7.45	8.3	5.9	0.524	0.724	5.97	6.9	7.9	8.09
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	16	7.7	6.748	8.3	5.9	1.05	1.025	5.97	6.9	7.9	8.09
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	16	0.02	0.179	1.259	0.005	0.144	0.379	0.009	0.013	0.158	1.078

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Annual Analysis for 1984 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	17	19.	20.247	29.	10.	30.743	5.545	11.6	17.1	25.25	29.
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	17	66.2	68.447	84.2	50.	99.96	9.998	52.88	62.7	77.45	84.2
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	16	160.	166.125	260.	95.	1435.05	37.882	123.7	144.25	187.5	232.
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	16	5.	5.05	6.8	3.4	0.879	0.937	3.68	4.45	5.55	6.73
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	17	7.9	7.553	8.2	5.9	0.533	0.73	6.3	6.85	8.1	8.2
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	17	7.9	6.864	8.2	5.9	1.038	1.019	6.3	6.85	8.1	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	17	0.013	0.137	1.259	0.006	0.096	0.309	0.006	0.008	0.142	0.57

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	20	20.	18.64	31.3	6.5	81.594	9.033	7.22	9.925	26.875	30.45
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	16	72.7	68.969	88.3	43.7	256.626	16.02	44.96	50.	83.4	87.32
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	20	147.	141.15	230.	71.	2962.345	54.427	71.1	91.	180.	228.
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	20	5.3	5.935	9.9	0.	7.356	2.712	3.32	4.15	8.5	9.7
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	20	6.95	6.925	8.2	5.7	0.655	0.809	5.9	6.2	7.875	7.99
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	20	6.947	6.388	8.2	5.7	0.958	0.979	5.9	6.2	7.875	7.99
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	20	0.113	0.409	1.995	0.006	0.314	0.56	0.01	0.013	0.631	1.259

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	18	25.25	22.483	28.	10.	32.676	5.716	10.9	18.625	26.325	28.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	21	150.	147.714	210.	70.	1956.214	44.229	84.2	115.5	185.	208.
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	20	4.35	4.665	7.7	2.7	2.303	1.518	2.95	3.5	5.475	7.59
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	19	7.	7.037	8.3	6.3	0.277	0.526	6.5	6.7	7.2	8.1
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	19	7.	6.834	8.3	6.3	0.32	0.566	6.5	6.7	7.2	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	19	0.1	0.146	0.501	0.005	0.015	0.122	0.008	0.063	0.2	0.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	26	25.	22.685	32.	7.5	69.643	8.345	10.27	15.75	30.125	31.43
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	25	230.	212.6	410.	66.	8735.917	93.466	79.2	129.5	277.5	319.6
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	22	4.7	4.909	8.4	0.	5.83	2.415	1.56	3.2	7.225	8.2
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	25	7.1	7.04	7.8	6.2	0.1	0.316	6.7	6.9	7.1	7.44
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	25	7.1	6.922	7.8	6.2	0.115	0.338	6.7	6.9	7.1	7.44
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	25	0.079	0.12	0.631	0.016	0.014	0.118	0.037	0.079	0.126	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	8	24.	22.4	29.8	12.6	42.631	6.529	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	11	227.	261.455	370.	188.	4329.673	65.8	190.4	204.	329.	361.8
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	10	5.3	5.12	9.3	1.	5.337	2.31	1.14	4.05	6.05	9.11
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	9	6.8	6.922	8.	6.49	0.201	0.448	6.49	6.675	7.03	8.
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	9	6.8	6.796	8.	6.49	0.219	0.468	6.49	6.675	7.03	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	9	0.158	0.16	0.324	0.01	0.008	0.092	0.01	0.101	0.215	0.324

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	4	26.25	26.325	28.4	24.4	3.889	1.972	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	4	174.5	174.	212.	135.	1876.667	43.321	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	3	2.7	3.267	4.5	2.6	1.143	1.069	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	4	6.7	6.825	7.6	6.3	0.362	0.602	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	4	6.604	6.592	7.6	6.3	0.435	0.66	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	4	0.249	0.256	0.501	0.025	0.053	0.229	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	1	29.2	29.2	29.2	29.2	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	1	142.	142.	142.	142.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	3	26.8	27.	27.8	26.4	0.52	0.721	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	3	896.	888.667	916.	854.	1001.333	31.644	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	4	3.25	3.475	4.6	2.8	0.689	0.83	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	3	7.6	7.633	7.7	7.6	0.003	0.058	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	3	7.6	7.631	7.7	7.6	0.003	0.058	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	3	0.025	0.023	0.025	0.02	0.	0.003	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

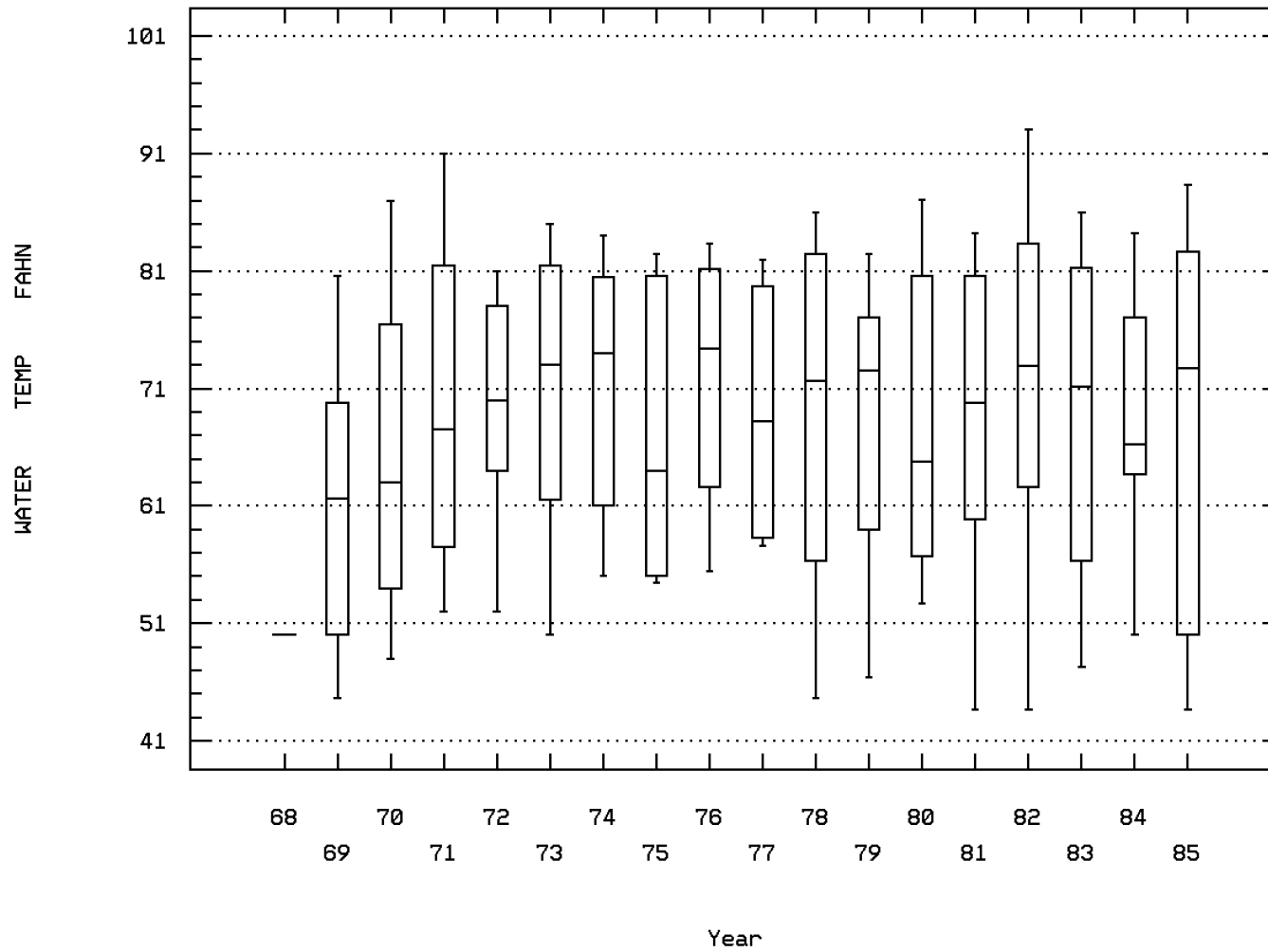
Annual Analysis for 1993 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	3	28.9	29.367	30.9	28.3	1.853	1.361	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	3	174.	176.667	202.	154.	581.333	24.111	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	4	5.45	4.925	8.5	0.3	11.856	3.443	**	**	**	**
00400p	PH (STANDARD UNITS)	08/27/70-06/16/93	3	7.6	7.6	7.9	7.3	0.09	0.3	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	3	7.6	7.533	7.9	7.3	0.097	0.311	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	3	0.025	0.029	0.05	0.013	0.	0.019	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: BITH0015 Parameter Code: 00011

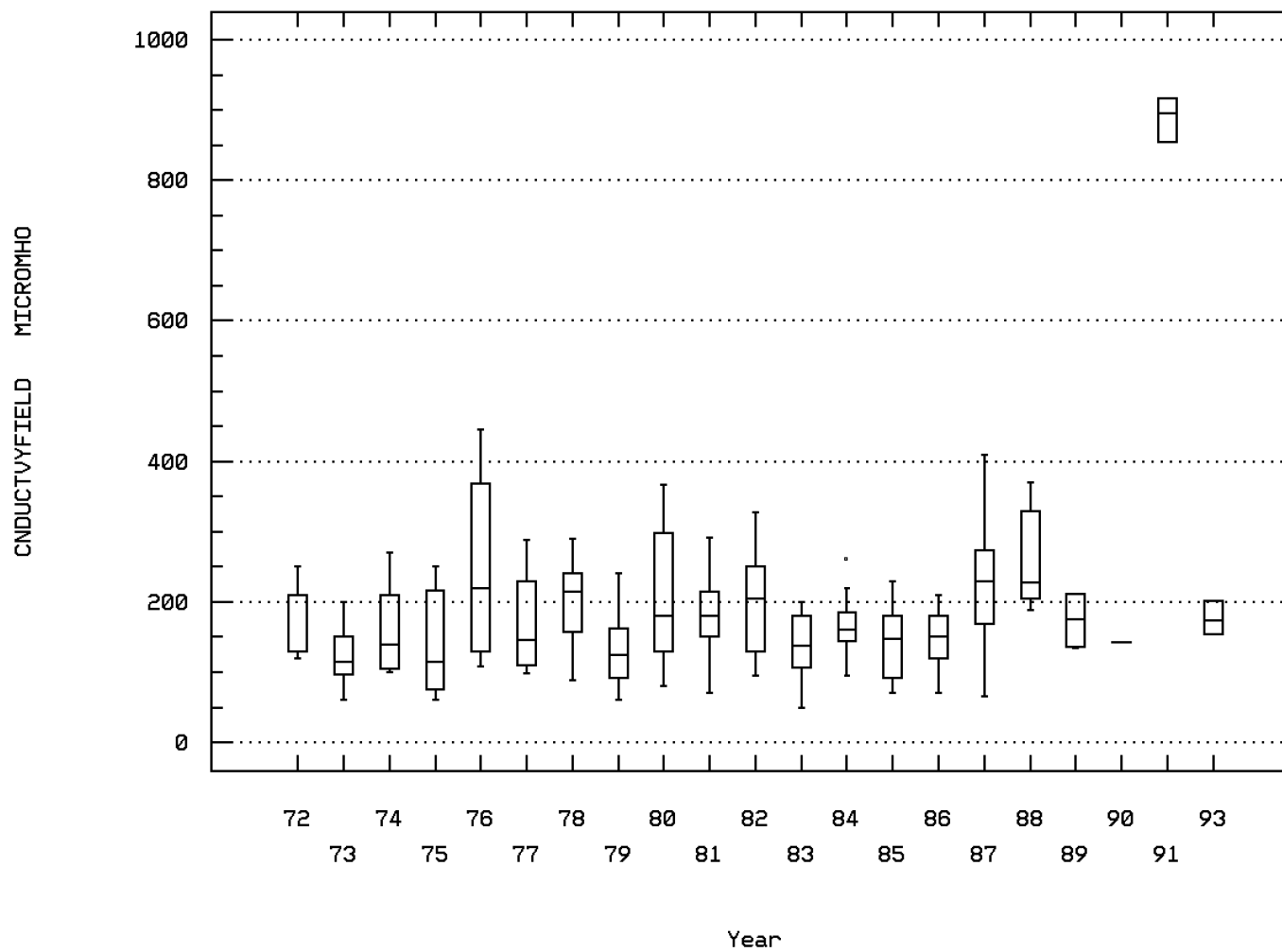
TEMPERATURE, WATER (DEGREES FAHRENHEIT)



PINE ISLAND BAYOU AT US 69 /US 96/US 28

Station: BITH0015 Parameter Code: 00094

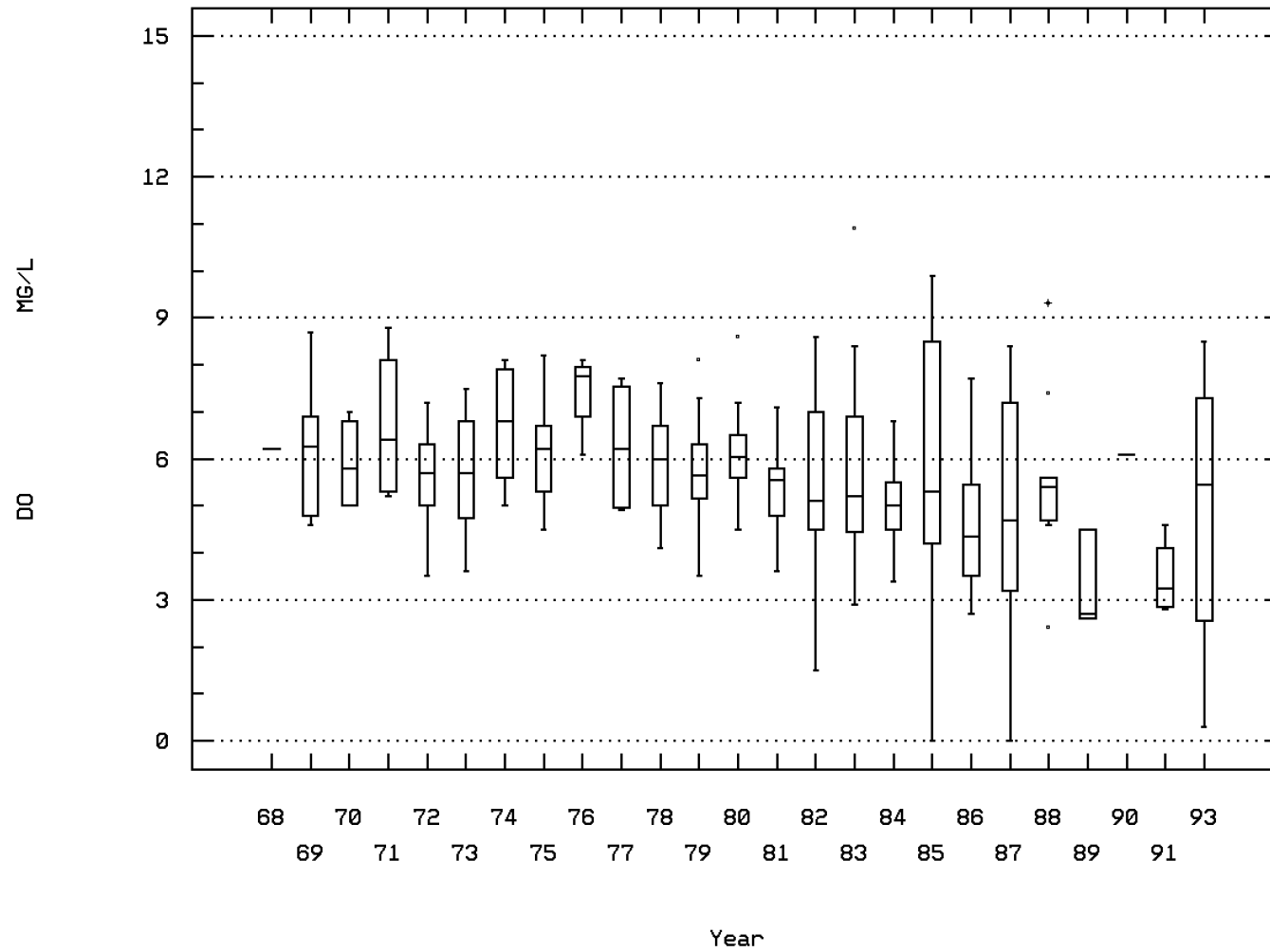
SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @



PINE ISLAND BAYOU AT US 69 /US 96/US 28

Station: BITH0015 Parameter Code: 00300

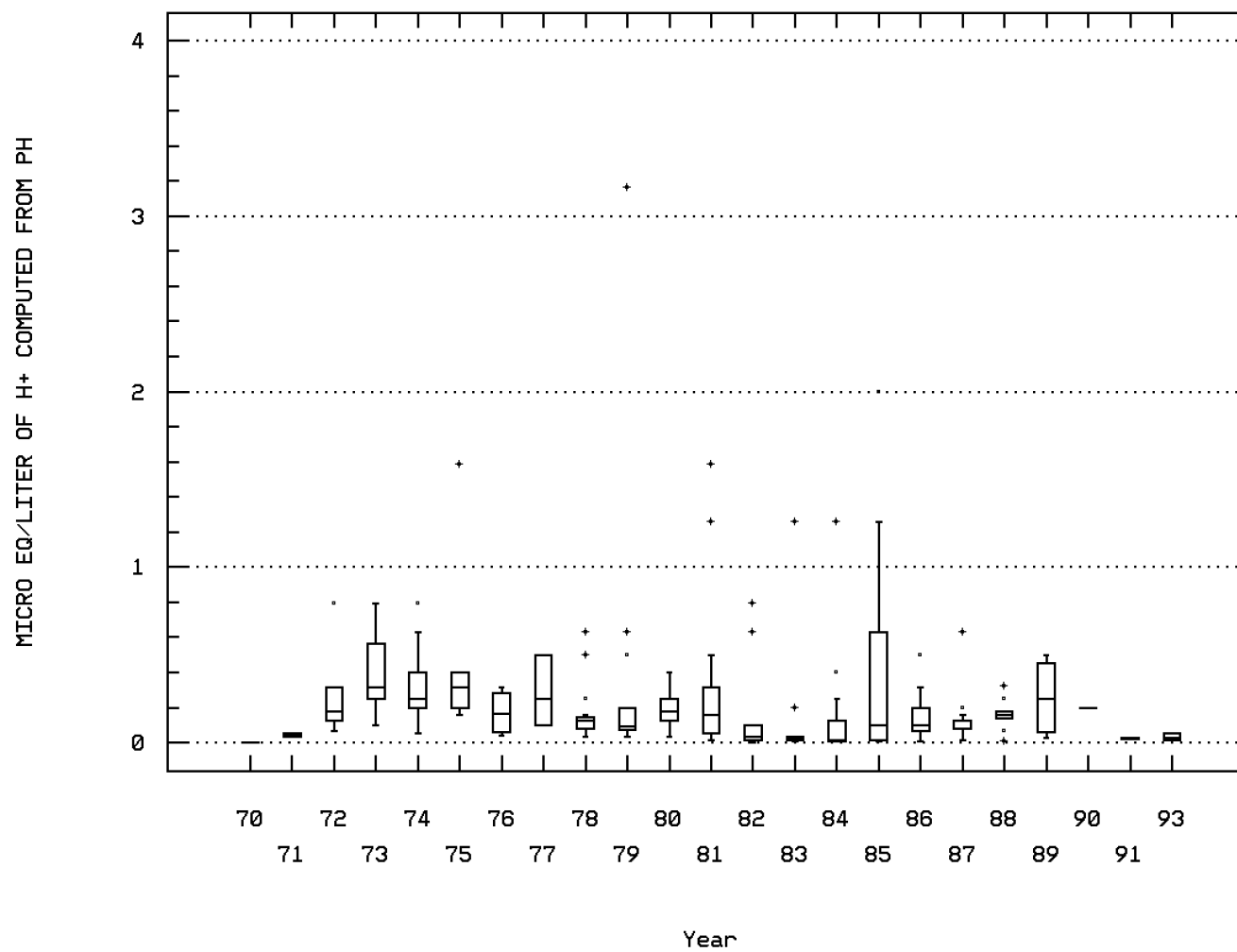
OXYGEN, DISSOLVED



PINE ISLAND BAYOU AT US 69 /US 96/US 28

Station: BITH0015 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



PINE ISLAND BAYOU AT US 69 /US 96/US 28

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	57	27.1	27.321	34.	18.	9.727	3.119	23.3	25.4	29.75	31.32
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	35	80.6	79.886	93.	64.4	36.612	6.051	72.14	76.1	83.3	87.58
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/19/68-03/11/80	10	59.	60.8	92.	19.	656.844	25.629	19.8	42.75	85.5	91.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/19/77-12/14/88	9	16.	19.444	37.	11.	74.778	8.647	11.	12.5	25.5	37.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	53	225.	250.585	916.	50.	29900.44	172.917	110.	160.	276.5	328.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/68-09/21/87	20	209.	210.75	339.	51.	6850.724	82.769	72.7	157.5	278.5	303.6
00300	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	57	5.	4.984	9.7	0.	3.704	1.925	2.78	3.8	5.6	7.84
00400	PH (STANDARD UNITS)	08/27/70-06/16/93	56	7.1	7.198	8.6	6.1	0.338	0.582	6.57	6.713	7.6	8.03
00400	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	56	7.1	6.893	8.6	6.1	0.433	0.658	6.57	6.712	7.6	8.03
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	56	0.079	0.128	0.794	0.003	0.024	0.155	0.009	0.025	0.194	0.271
00403	PH, LAB, STANDARD UNITS SU	12/19/68-09/21/87	19	7.	7.168	8.4	6.5	0.358	0.598	6.5	6.7	7.7	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/68-09/21/87	19	7.	6.904	8.4	6.5	0.431	0.657	6.5	6.7	7.7	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/68-09/21/87	19	0.1	0.125	0.316	0.004	0.011	0.106	0.006	0.02	0.2	0.316
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	17	30.	32.882	52.	9.	118.36	10.879	15.4	29.	42.	48.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/72-06/16/93	19	12.	14.579	34.	4.	70.257	8.382	5.	9.	20.	33.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/25/72-06/16/93	19	3.	5.	19.	1.	24.5	4.95	1.5	1.5	6.	15.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/72-06/16/93	19	0.05	0.046	0.19	0.005	0.002	0.042	0.01	0.02	0.05	0.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/25/72-06/16/93	17	0.05	0.096	0.29	0.005	0.008	0.089	0.005	0.025	0.145	0.282
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/25/72-09/24/85	15	0.26	0.43	2.54	0.09	0.358	0.598	0.144	0.21	0.34	1.424
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/85	14	0.06	0.167	1.53	0.015	0.155	0.394	0.015	0.026	0.098	0.825
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/72-06/16/93	19	0.09	0.129	0.83	0.03	0.03	0.174	0.03	0.07	0.11	0.22
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	17	0.02	0.058	0.5	0.005	0.014	0.117	0.005	0.015	0.04	0.188
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-06/16/93	16	10.5	10.781	18.	1.5	20.499	4.528	3.95	8.	15.25	17.3
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/68-06/16/93	22	29.5	31.455	62.	4.	238.26	15.436	11.1	21.	42.5	55.4
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/68-06/16/93	21	10.	9.071	21.	1.	24.607	4.961	2.1	5.	12.	15.4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	16	41.	109.844	740.	0.5	38684.591	196.684	5.05	10.5	77.75	516.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	16	1.606	1.533	2.869	-0.301	0.566	0.752	0.501	1.02	1.89	2.697
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			34.129								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/25/72-06/16/93	16	6.4	9.675	29.	0.5	79.249	8.902	1.55	2.25	18.825	24.1
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12/21/76-06/16/93	11	1.	2.209	7.	0.5	6.201	2.49	0.5	0.5	3.	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	63	12.8	13.122	21.	6.5	15.07	3.882	7.7	10.	16.5	18.6
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	47	55.	56.2	69.8	43.7	51.021	7.143	46.4	50.	63.	66.2
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/19/68-03/11/80	17	120.	120.	182.	23.	1752.875	41.867	64.6	92.5	152.5	182.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/19/77-12/14/88	10	8.5	9.4	16.	6.	10.933	3.307	6.	6.	12.	15.6
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	60	146.5	154.383	370.	61.	4171.664	64.588	82.8	108.5	170.	266.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/68-09/21/87	21	125.	145.524	286.	71.	4553.062	67.476	76.6	100.	181.5	272.
00300	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	60	6.5	6.562	10.9	1.5	2.352	1.533	4.71	5.7	7.4	8.2
00400	PH (STANDARD UNITS)	08/27/70-06/16/93	58	6.8	6.897	8.3	5.7	0.441	0.664	6.	6.4	7.25	7.9
00400	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	58	6.8	6.496	8.3	5.7	0.604	0.777	6.	6.4	7.25	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	58	0.158	0.319	1.995	0.005	0.191	0.437	0.013	0.057	0.398	1.
00403	PH, LAB, STANDARD UNITS SU	12/19/68-09/21/87	20	6.5	6.565	7.6	6.1	0.13	0.36	6.2	6.3	6.7	7.09
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/68-09/21/87	20	6.5	6.459	7.6	6.1	0.142	0.376	6.2	6.3	6.7	7.09
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/68-09/21/87	20	0.316	0.348	0.794	0.025	0.044	0.21	0.081	0.2	0.501	0.631
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	18	17.	17.306	46.	2.5	88.504	9.408	7.45	11.5	20.5	28.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/72-06/16/93	18	26.	29.389	83.	8.	378.958	19.467	10.7	11.75	39.25	55.1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/25/72-06/16/93	18	5.	5.639	15.	1.	19.612	4.429	1.45	1.875	8.	14.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/72-06/16/93	19	0.05	0.058	0.2	0.005	0.002	0.05	0.005	0.02	0.08	0.14
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/25/72-06/16/93	19	0.12	0.095	0.25	0.015	0.005	0.072	0.015	0.03	0.13	0.24
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/25/72-09/24/85	15	0.28	0.279	0.43	0.15	0.006	0.078	0.168	0.22	0.31	0.412
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/85	14	0.03	0.054	0.24	0.015	0.004	0.06	0.015	0.015	0.075	0.165
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/72-06/16/93	19	0.09	0.091	0.14	0.05	0.001	0.023	0.06	0.08	0.1	0.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	18	0.015	0.032	0.11	0.005	0.001	0.032	0.005	0.01	0.06	0.083
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-06/16/93	15	22.	20.933	35.	10.	48.067	6.933	11.2	15.	25.	32.
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/68-06/16/93	23	20.	26.261	65.	11.	265.202	16.285	12.4	15.	27.	59.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/68-06/16/93	23	9.	10.261	29.	3.	42.111	6.489	3.4	5.	14.	20.4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	14	720.	1767.857	7800.	20.	5705633.516	2388.647	20.	170.	3375.	6350.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	14	2.849	2.734	3.892	1.301	0.681	0.825	1.301	2.228	3.521	3.791
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			541.601								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/25/72-06/16/93	17 ##	1.1	1.712	5.	0.5	2.337	1.529	0.5	0.5	2.5	5.
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12/21/76-06/16/93	13	0.5	1.754	7.8	0.	5.669	2.381	0.2	0.5	1.9	7.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	83	18.4	17.977	29.4	7.	25.19	5.019	10.	15.	21.	24.7
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	68	64.4	63.647	85.	44.6	86.633	9.308	49.98	59.	69.8	77.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/19/68-03/11/80	23	100.	108.304	230.	45.	2666.767	51.641	45.8	68.	142.	195.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/19/77-12/14/88	11	10.	10.364	13.	7.	4.255	2.063	7.2	8.	12.	13.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	74	160.	164.797	445.	60.	5255.698	72.496	80.	117.5	192.5	245.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/68-09/21/87	30	170.5	197.5	600.	49.	12740.121	112.872	76.7	127.5	262.5	324.8
00300	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	84	5.6	5.776	9.2	0.	2.217	1.489	4.35	5.	6.775	7.7
00400	PH (STANDARD UNITS)	08/27/70-06/16/93	75	6.9	6.915	8.2	5.9	0.35	0.592	6.16	6.5	7.2	7.9
00400	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	75	6.9	6.598	8.2	5.9	0.452	0.672	6.16	6.5	7.2	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	75	0.126	0.252	1.259	0.006	0.093	0.305	0.013	0.063	0.316	0.696
00403	PH, LAB, STANDARD UNITS SU	12/19/68-09/21/87	30	6.6	6.61	7.8	6.	0.146	0.382	6.11	6.3	6.9	6.99
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/68-09/21/87	30	6.6	6.475	7.8	6.	0.165	0.406	6.11	6.3	6.9	6.99
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/68-09/21/87	30	0.251	0.335	1.	0.016	0.064	0.252	0.103	0.126	0.501	0.778
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	21	25.	24.333	43.	10.	63.733	7.983	14.4	19.	28.	39.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/72-06/16/93	22	23.	22.636	48.	7.	127.957	11.312	8.6	12.	30.75	38.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/25/72-06/16/93	21	5.	5.881	13.	0.5	11.623	3.409	1.5	4.	7.5	12.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/72-06/16/93	24	0.09	0.094	0.42	0.005	0.007	0.081	0.015	0.05	0.1	0.165
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/25/72-06/16/93	24	0.12	0.17	1.15	0.03	0.047	0.217	0.055	0.083	0.168	0.255
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/25/72-09/24/85	19	0.29	0.287	0.52	0.12	0.01	0.102	0.14	0.21	0.34	0.4
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/85	16	0.045	0.059	0.24	0.015	0.004	0.062	0.015	0.015	0.06	0.177
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/72-06/16/93	24	0.1	0.105	0.26	0.04	0.003	0.051	0.05	0.07	0.128	0.19
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	21	0.02	0.04	0.18	0.005	0.003	0.05	0.005	0.01	0.06	0.152
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-06/16/93	18	21.5	20.278	38.	8.	54.448	7.379	8.	16.	24.25	29.
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/68-06/16/93	32	30.5	39.781	136.	9.	965.015	31.065	12.3	17.75	54.25	76.7
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/68-06/16/93	29	8.	8.897	20.	3.	21.882	4.678	3.	5.5	12.	16.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	19	120.	547.921	5000.	0.5	1578867.896	1256.53	10.	37.	250.	2900.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	19	2.079	2.048	3.699	-0.301	0.748	0.865	1.	1.568	2.398	3.462
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			111.568								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/25/72-06/16/93	18	4.	6.	21.	0.5	35.664	5.972	0.5	2.525	7.6	20.1
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12/21/76-06/16/93	12	3.5	4.117	9.	0.5	9.674	3.11	0.5	1.45	7.75	8.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/19/68-06/16/93	59	28.	27.527	30.9	23.3	3.246	1.802	25.	26.	29.	30.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/19/68-09/24/85	44	81.5	81.3	86.9	74.	11.042	3.323	76.55	78.25	84.2	86.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/19/68-03/11/80	13	57.	60.692	88.	40.	261.231	16.163	42.	47.5	76.	86.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/19/77-12/14/88	10	16.	15.2	20.	7.	13.956	3.736	7.5	12.75	17.5	19.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	58	180.	174.259	329.	61.	5043.809	71.02	79.	119.	225.5	272.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/68-09/21/87	16	135.	125.625	270.	55.	2975.05	54.544	56.4	79.75	150.75	200.
00300	OXYGEN, DISSOLVED MG/L	12/19/68-06/16/93	61	4.5	4.726	9.3	0.3	2.54	1.594	3.24	3.7	5.6	6.3
00400	PH (STANDARD UNITS)	08/27/70-06/16/93	59	6.9	6.947	8.1	5.5	0.363	0.602	6.2	6.5	7.4	7.9
00400	CONVERTED PH (STANDARD UNITS)	08/27/70-06/16/93	59	6.9	6.573	8.1	5.5	0.506	0.711	6.2	6.5	7.4	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/70-06/16/93	59	0.126	0.267	3.162	0.008	0.213	0.461	0.013	0.04	0.316	0.631
00403	PH, LAB, STANDARD UNITS SU	12/19/68-09/21/87	16	6.55	6.6	7.6	5.9	0.285	0.534	5.97	6.1	6.975	7.46
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/68-09/21/87	16	6.547	6.358	7.6	5.9	0.348	0.59	5.97	6.1	6.975	7.46
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/68-09/21/87	16	0.284	0.438	1.259	0.025	0.163	0.403	0.035	0.106	0.794	1.078
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	19	19.	19.947	55.	8.	109.608	10.469	10.	13.	23.	33.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/72-06/16/93	18	16.	19.278	50.	5.	135.977	11.661	8.6	11.	24.25	39.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/25/72-06/16/93	18	4.	4.722	16.	1.5	12.418	3.524	1.5	2.75	6.	10.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/72-06/16/93	20	0.05	0.067	0.4	0.005	0.007	0.086	0.011	0.03	0.065	0.162
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/25/72-06/16/93	19	0.09	0.116	0.25	0.01	0.007	0.084	0.02	0.04	0.19	0.24
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/25/72-09/24/85	14	0.245	0.669	6.3	0.	2.639	1.625	0.065	0.173	0.34	3.365
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/85	13	0.06	0.283	3.1	0.015	0.717	0.847	0.015	0.015	0.075	1.908
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/72-06/16/93	20	0.08	0.267	2.06	0.02	0.337	0.581	0.041	0.06	0.1	1.688
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	19	0.02	0.081	1.01	0.005	0.051	0.226	0.005	0.01	0.04	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-06/16/93	19	15.	14.895	38.	5.	60.211	7.76	6.	9.	19.	22.
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/68-06/16/93	20	16.5	17.5	41.	3.	107.632	10.375	5.	9.25	22.75	35.5
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/68-06/16/93	20	13.5	11.975	23.	1.	54.381	7.374	2.	3.125	18.	20.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	19	50.	142.895	760.	7.	43921.655	209.575	8.	30.	260.	580.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	19	1.699	1.777	2.881	0.845	0.346	0.589	0.903	1.477	2.415	2.763
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			59.857								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/25/72-06/16/93	17	6.	10.359	49.	0.5	150.103	12.252	0.98	2.	18.15	26.12
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12/21/76-06/16/93	13	2.6	5.243	23.	0.	45.272	6.728	0.2	0.5	9.83	18.56

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: BITH0016

NPS Station ID: BITH0016 LAT/LON: 30.181115/ -94.211670
 Location: PINE ISLAND BAYOU@ 1.1 KM DOWNSTREAM OF BLACK CR
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin: Neches River Basin
 RF1 Index: 12020007 RF1 Mile Point: 0.000
 RF3 Index: 12030202002201.13 RF3 Mile Point: 1.12
 Description:
 PINE ISLAND BAYOU@ 1.1 KM DOWNSTREAM OF BLACK CREEK CONFLUENCE

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10605 /0607.0175 /607.1750
 Within Park Boundary: Yes

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0016

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	8	29.4	29.75	30.7	29.1	0.406	0.637	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	7	435.	417.	439.	370.	993.333	31.517	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	8	3.2	3.975	6.2	2.9	1.876	1.37	**	**	**	**
00400 PH (STANDARD UNITS)	08/25/87-08/25/87	7	7.1	7.071	7.1	7.	0.002	0.049	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	08/25/87-08/25/87	7	7.1	7.069	7.1	7.	0.002	0.049	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	7	0.079	0.085	0.1	0.079	0.	0.01	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/87-08/25/87	1	110.	110.	110.	110.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/87-08/25/87	1	2.041	2.041	2.041	2.041	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			110.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0016

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	8	5	0.63	8	5	0.63									
00400 PH	Other-Hi Lim.	9.	7	0	0.00	7	0	0.00									
	Other-Lo Lim.	6.5	7	0	0.00	7	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0017

NPS Station ID: BITH0017
 Location: BLACK CREEK AT MOUTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007004
 RF3 Index: 12020007000300.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM BLACK CREEK AT MOUTH

LAT/LON: 30.183337/ -94.225003

Depth of Water: 999
 Elevation: 0
 RF1 Mile Point: 1.680
 RF3 Mile Point: 0.17

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 06079904
 Within Park Boundary: No

Date Created: 01/29/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.20

On/Off RF1: OFF
 On/Off RF3:

SAMPLES ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	2 ##	1.875	1.875	2.6	1.15	1.051	1.025	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/22/76-07/22/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/08/75-07/22/76	2 ##	0.087	0.087	0.115	0.06	0.002	0.039	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/08/75-07/22/76	2	18.5	18.5	31.	6.	312.5	17.678	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	2	4.4	4.4	5.8	3.	3.92	1.98	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	2	10.8	10.8	17.	4.6	76.88	8.768	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	2	295.	295.	340.	250.	4050.	63.64	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/22/76-07/22/76	1	750.	750.	750.	750.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/08/75-07/22/76	2	12.8	12.8	20.	5.6	103.68	10.182	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	2 ##	0.118	0.118	0.12	0.115	0.	0.004	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/22/76-07/22/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	2	20.5	20.5	25.	16.	40.5	6.364	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	2 ##	0.54	0.54	0.85	0.23	0.192	0.438	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39343 GAMMA-BHC(LINDANE), SEDIMENTS, DRY WGT, UG/KG	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS), SEDIMENTS, DRY WGT, UG/KG	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39393 ENDRIIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/76-07/22/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	07/22/76-07/22/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	07/22/76-07/22/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	07/22/76-07/22/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/22/76-07/22/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	2	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0017

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00										1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
	Drinking Water	1300.	1	0	0.00										1	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00										1	0	0.00
	Drinking Water	5.	0 &	0	0.00												
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
	Drinking Water	50.	1	0	0.00										1	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00										1	0	0.00
	Drinking Water	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0018

NPS Station ID: BITH0018
 Location: PINE ISLAND BAYOU AT U.S. HWY 96
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007001
 RF3 Index: 12020007008700.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU AT U.S. HWY 96

LAT/LON: 30.184726/ -94.183337

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 5.290
 RF3 Mile Point: 0.00

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-4
 Within Park Boundary: No

Date Created: 10/25/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.05

On/Off RF1: ON
 On/Off RF3:

SEDIMENT ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	2	2.45	2.45	3.	1.9	0.605	0.778	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/07/75-07/20/76	2 ##	0.158	0.158	0.2	0.115	0.004	0.06	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/07/75-07/20/76	2 ##	17.558	17.558	35.	0.115	608.482	24.667	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	2 ##	5.058	5.058	10.	0.115	48.857	6.99	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	2 ##	12.558	12.558	25.	0.115	309.632	17.596	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	2	570.	570.	840.	300.	145800.	381.838	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/07/75-07/20/76	2	15.05	15.05	24.	6.1	160.205	12.657	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	2 ##	0.178	0.178	0.24	0.115	0.008	0.088	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	2	40.	40.	47.	33.	98.	9.899	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	2 ##	0.54	0.54	0.85	0.23	0.192	0.438	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS.DRY WGT,UG/KG	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	2	0.8	0.8	1.2	0.4	0.32	0.566	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0019

NPS Station ID: BITH0019
 Location: BLACK CREEK AT MOUTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECMES RIVER
 RF1 Index: 12020007001
 RF3 Index: 12020007000300.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM BLACK CREEK AT MOUTH

LAT/LON: 30.184726/ -94.199449

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 6.100
 RF3 Mile Point: 0.17

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-6
 Within Park Boundary: Yes

Date Created: 10/27/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.19

On/Off RF1: OFF
 On/Off RF3:

SEDIMENT ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0019

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/08/75-07/22/76	2 ##	1.875	1.875	2.6	1.15	1.051	1.025	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/08/75-07/22/76	2 ##	0.087	0.087	0.115	0.06	0.002	0.039	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/08/75-07/22/76	2	18.5	18.5	31.	6.	312.5	17.678	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/08/75-07/22/76	2	4.4	4.4	5.8	3.	3.92	1.98	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/08/75-07/22/76	2	10.8	10.8	17.	4.6	76.88	8.768	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/08/75-07/22/76	2	295.	295.	340.	250.	4050.	63.64	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG.DRY WGT)	10/08/75-07/22/76	2	12.8	12.8	20.	5.6	103.68	10.182	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/08/75-07/22/76	2 ##	0.118	0.118	0.12	0.115	0.	0.004	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/08/75-07/22/76	2	20.5	20.5	25.	16.	40.5	6.364	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/08/75-07/22/76	2 ##	0.54	0.54	0.85	0.23	0.192	0.438	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS.DRY WGT,UG/KG	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/08/75-07/22/76	2	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0020

NPS Station ID: BITH0020 LAT/LON: 30.186948/ -94.173892
 Location: PINE ISLAND BAYOU 0.5 KM DOWNSTREAM OF VILLAGE S
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin: Neches River Basin
 RF1 Index: 12020007 RF1 Mile Point: 0.000
 RF3 Index: 12030202002201.13 RF3 Mile Point: 1.12
 Description:
 PINE ISLAND BAYOU 0.5 KM DOWNSTREAM OF VILLAGE SLOUGH CONFLUENCE

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10600 /0607.0060 /607.600
 Within Park Boundary: Yes

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	12	30.2	30.192	32.1	28.6	1.377	1.174	28.63	29.125	30.925	32.1
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	11	254.	240.818	285.	171.	1172.964	34.249	178.2	209.	269.	282.2
00300 OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	12	5.7	4.35	8.3	0.	10.665	3.266	0.03	0.125	6.375	8.21
00400 PH (STANDARD UNITS)	08/25/87-08/25/87	12	7.1	7.067	7.4	6.7	0.046	0.215	6.73	6.85	7.2	7.37
00400 CONVERTED PH (STANDARD UNITS)	08/25/87-08/25/87	12	7.1	7.017	7.4	6.7	0.049	0.221	6.73	6.85	7.2	7.37
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	12	0.079	0.096	0.2	0.04	0.003	0.05	0.043	0.063	0.144	0.187

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0020

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	12	4	0.33	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	12	0	0.00	12	0	0.00									
	Other-Lo Lim.	6.5	12	0	0.00	12	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0021

NPS Station ID: BITH0021 LAT/LON: 30.187226/ -94.179170
 Location: PINE ISLAND BAYOU 0.2 KM UPSTREAM OF VILLAGE SLO
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin: Neches River Basin
 RF1 Index: 12020007 RF1 Mile Point: 0.000
 RF3 Index: 12030202002201.13 RF3 Mile Point: 1.12
 Description:
 PINE ISLAND BAYOU 0.2 KM UPSTREAM OF VILLAGE SLOUGH CONFLUENCE

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10601 /0607.0070 /607.700
 Within Park Boundary: Yes

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0021

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	12	30.35	30.258	32.8	28.3	2.043	1.429	28.36	28.825	31.125	32.65
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	9	233.	234.556	283.	171.	1292.278	35.948	171.	210.5	268.	283.
00300 OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	12	6.05	4.758	10.	0.1	13.499	3.674	0.1	0.1	6.95	9.76
00400 PH (STANDARD UNITS)	08/25/87-08/25/87	12	7.15	7.2	8.1	6.7	0.167	0.409	6.73	6.9	7.3	8.01
00400 CONVERTED PH (STANDARD UNITS)	08/25/87-08/25/87	12	7.147	7.068	8.1	6.7	0.186	0.432	6.73	6.9	7.3	8.01
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	12	0.071	0.086	0.2	0.008	0.003	0.058	0.01	0.05	0.126	0.187

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0021

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	12	4	0.33	12	4	0.33									
00400 PH	Other-Hi Lim.	9.	12	0	0.00	12	0	0.00									
	Other-Lo Lim.	6.5	12	0	0.00	12	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0022

NPS Station ID: BITH0022
 Location: PINE ISLAND BAYOU 0.1 KM UPSTREAM OF BOGGY CREEK
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin:
 Minor Basin: Neches River Basin
 RF1 Index: 12020007
 RF3 Index: 12030202002201.13
 Description:
 PINE ISLAND BAYOU 0.1 KM UPSTREAM OF BOGGY CREEK CONFLUENCE

LAT/LON: 30.187781/ -94.195560

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.12

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10604 /0607.0150 /607.1500
 Within Park Boundary: Yes

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	12	29.95	30.183	32.2	29.	1.211	1.1	29.03	29.225	31.25	32.08
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	9	354.	334.333	365.	284.	1046.	32.342	284.	304.5	364.5	365.
00300 OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	12	5.1	4.242	8.8	0.	11.561	3.4	0.	0.025	7.025	8.77
00400 PH (STANDARD UNITS)	08/25/87-08/25/87	10	7.1	7.14	7.5	6.8	0.056	0.237	6.81	6.9	7.4	7.49
00400 CONVERTED PH (STANDARD UNITS)	08/25/87-08/25/87	10	7.1	7.085	7.5	6.8	0.059	0.244	6.81	6.9	7.4	7.49
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	10	0.079	0.082	0.158	0.032	0.002	0.042	0.032	0.04	0.126	0.155

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	12	4	0.33	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Other-Hi Lim.	9.	10	0	0.00	10	0	0.00									
	Other-Lo Lim.	6.5	10	0	0.00	10	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0023

NPS Station ID: BITH0023 LAT/LON: 30.188059/ -94.193338
 Location: PINE ISLAND BAYOU 0.1 KM DOWNSTREAM OF BOGGY CRE
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin: Neches River Basin
 RF1 Index: 12020007 RF1 Mile Point: 0.000
 RF3 Index: 12030202002201.13 RF3 Mile Point: 1.12
 Description:
 PINE ISLAND BAYOU 0.1 KM DOWNSTREAM OF BOGGY CREEK CONFLUENCE

Agency: 21TXWQB
 FIPS State/County: 48245 TEXAS/JEFFERSON
 STORET Station ID(s): 10603 /0607.0125 /607.1250
 Within Park Boundary: Yes

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	10	30.05	30.22	31.8	28.9	1.035	1.017	28.92	29.325	31.3	31.78
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	8	337.	332.875	361.	285.	787.839	28.068	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	10	5.3	4.13	8.2	0.	11.856	3.443	0.01	0.325	7.575	8.19
00400 PH (STANDARD UNITS)	08/25/87-08/25/87	9	7.1	7.144	7.4	6.9	0.023	0.151	6.9	7.05	7.25	7.4
00400 CONVERTED PH (STANDARD UNITS)	08/25/87-08/25/87	9	7.1	7.122	7.4	6.9	0.023	0.153	6.9	7.05	7.25	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	9	0.079	0.076	0.126	0.04	0.001	0.026	0.04	0.057	0.09	0.126

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0023

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	10	4	0.40	10	4	0.40									
00400 PH	Other-Hi Lim.	9.	9	0	0.00	9	0	0.00									
	Other-Lo Lim.	6.5	9	0	0.00	9	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0024

NPS Station ID: BITH0024
 Location: L PINE ISL BAYOU AT FARM & MKT R
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007
 RF3 Index: 12020003043300.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM LITTLE PINE ISLAND BAYOU AT FARM AND MARKET ROAD 326

LAT/LON: 30.188615/ -94.136116

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 3.35

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-11
 Within Park Boundary: No

Date Created: 10/27/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.32

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0024

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/75-07/19/76	2 ##	1.075	1.075	1.3	0.85	0.101	0.318	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-07/19/76	2 ##	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-07/19/76	2	12.78	12.78	25.	0.56	298.657	17.282	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/75-07/19/76	2	1.39	1.39	2.5	0.28	2.464	1.57	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/75-07/19/76	2	6.9	6.9	10.	3.8	19.22	4.384	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/75-07/19/76	2	340.	340.	520.	160.	64800.	254.558	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-07/19/76	2	7.9	7.9	14.	1.8	74.42	8.627	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/09/75-07/19/76	2 ##	0.065	0.065	0.07	0.06	0.	0.007	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/75-07/19/76	2	17.	17.	19.	15.	8.	2.828	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/75-07/19/76	2 ##	0.495	0.495	0.85	0.14	0.252	0.502	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/09/75-07/19/76	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0025

NPS Station ID: BITH0025	LAT/LON: 30.189448/ -94.387505	Agency: 21TEXWR	Date Created: 02/01/79
Location: LITTLE PINE ISLAND BAYOU AT SH 326		FIPS State/County: 48199 TEXAS/HARDIN	
Station Type: /TYPA/AMBNT/STREAM		STORET Station ID(s): 06079908	
RMI-Indexes:		Within Park Boundary: Yes	
RMI-Miles:			
HUC: 12020007	Depth of Water: 0	Aquifer:	
Major Basin: WESTERN GULF	Elevation: 0	Water Body Id:	
Minor Basin: NUECES RIVER		ECO Region:	
RF1 Index: 12020007005	RF1 Mile Point: 7.360	Distance from RF1: 0.00	On/Off RF1: ON
RF3 Index: 12020007000800.00	RF3 Mile Point: 1.62	Distance from RF3: 0.12	On/Off RF3:
Description:			
DATA FROM TEXAS DEPARTMENT OF WATER QUALITY	SAMPLES ANALYZED FOR TOXICS	SAMPLE TAKEN FROM	
LITTLE PINE ISLAND BAYOU AT SH 326			

Parameter Inventory for Station: BITH0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/75-10/09/75	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-10/09/75	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-10/09/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/75-10/09/75	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/75-10/09/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/75-10/09/75	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/75-10/09/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/09/75-10/09/75	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/75-10/09/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/75-10/09/75	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/09/75-10/09/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0026

NPS Station ID: BITH0026
 Location: VILLAGE SLOUGH AT MOUTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007001
 RF3 Index: 12020007013400.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM VILLAGE SLOUGH AT MOUTH

LAT/LON: 30.191670/ -94.175004

Depth of Water: 999
 Elevation: 0
 RF1 Mile Point: 4.920
 RF3 Mile Point: 0.82

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-3
 Within Park Boundary: No

Date Created: 10/25/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.02

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: BITH0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	2	3.75	3.75	4.7	2.8	1.805	1.344	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2 ##	0.168	0.168	0.22	0.115	0.006	0.074	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	21.45	21.45	35.	7.9	367.205	19.163	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	2	12.5	12.5	14.	11.	4.5	2.121	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	2	22.5	22.5	26.	19.	24.5	4.95	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	2	265.	265.	270.	260.	50.	7.071	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	15.45	15.45	23.	7.9	114.005	10.677	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	2 ##	0.118	0.118	0.12	0.115	0.	0.004	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	2	46.5	46.5	54.	39.	112.5	10.607	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	2 ##	0.66	0.66	0.85	0.47	0.072	0.269	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	2	1.	1.	1.2	0.8	0.08	0.283	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0027

NPS Station ID: BITH0027
 Location: PINE ISLAND BAYOU AT US 96
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007001
 RF3 Index: 12020003056200.66
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM PINE ISLAND BAYOU AT U.S. 96

LAT/LON: 30.191670/ -94.175004

Depth of Water: 999
 Elevation: 0
 RF1 Mile Point: 4.920
 RF3 Mile Point: 0.66

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 06079902
 Within Park Boundary: No

Date Created: 01/29/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.01

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: BITH0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0027

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0027

Parameter	Std. Type	Std. Value	Total		Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
			Obs	Exceed Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL																
	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	100.	1	0	0.00										1	0	0.00
01042	COPPER, TOTAL	18.	1	0	0.00										1	0	0.00
	Fresh Acute	1300.	1	0	0.00										1	0	0.00
	Drinking Water	82.	1	0	0.00										1	0	0.00
01051	LEAD, TOTAL	5.	0 &	0	0.00												
	Fresh Acute	1400.	1	0	0.00										1	0	0.00
01067	NICKEL, TOTAL	100.	1	0	0.00										1	0	0.00
	Drinking Water	4.1	0 &	0	0.00												
01077	SILVER, TOTAL	50.	1	0	0.00										1	0	0.00
	Fresh Acute	120.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	20.	1	0	0.00										1	0	0.00
01147	SELENIUM, TOTAL	50.	1	0	0.00										1	0	0.00
	Drinking Water	2.4	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0028

NPS Station ID: BITH0028
 Location: BOGGY CR. AT MOUTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007001
 RF3 Index: 12020007008700.00
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM BOGGY CREEK AT MOUTH

LAT/LON: 30.191670/ -94.191670

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 5.800
 RF3 Mile Point: 0.00

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 06079903
 Within Park Boundary: No

Date Created: 01/29/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.05

On/Off RF1: OFF
 On/Off RF3:

SAMPLES ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0028

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Drinking Water	50.	1	0	0.00										1	0	0.00
															1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0028

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL																
	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	100.	1	0	0.00										1	0	0.00
01042	COPPER, TOTAL	18.	1	0	0.00										1	0	0.00
	Fresh Acute	1300.	1	0	0.00										1	0	0.00
01051	LEAD, TOTAL	82.	1	0	0.00										1	0	0.00
	Drinking Water	5.	0 &	0	0.00												
01067	NICKEL, TOTAL	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
01077	SILVER, TOTAL	4.1	0 &	0	0.00												
	Drinking Water	50.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	120.	1	0	0.00										1	0	0.00
01147	SELENIUM, TOTAL	20.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	2.4	1	0	0.00										1	0	0.00
	Drinking Water	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0029

NPS Station ID: BITH0029
 Location: BOGGY CREEK AT MOUTH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020007003
 RF3 Index: 12020007000104.83
 Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLE TAKEN FROM BOGGY CREEK AT MOUTH

LAT/LON: 30.193059/ -94.191670

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 0.410
 RF3 Mile Point: 5.73

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): IMS75-5
 Within Park Boundary: No

Date Created: 10/25/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.04

On/Off RF1: OFF
 On/Off RF3:

SEDIMENT ANALYZED FOR TOXICS

Parameter Inventory for Station: BITH0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-07/20/76	2 ##	0.975	0.975	1.1	0.85	0.031	0.177	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2 ##	0.075	0.075	0.11	0.04	0.002	0.049	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	13.45	13.45	26.	0.9	315.005	17.748	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-07/20/76	2	2.26	2.26	4.3	0.22	8.323	2.885	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-07/20/76	2	21.3	21.3	37.	5.6	492.98	22.203	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-07/20/76	2	252.5	252.5	325.	180.	10512.5	102.53	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/07/75-07/20/76	2	9.8	9.8	16.	3.6	76.88	8.768	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-07/20/76	2 ##	0.075	0.075	0.11	0.04	0.002	0.049	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-07/20/76	2	32.	32.	32.	32.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-07/20/76	2 ##	0.535	0.535	0.85	0.22	0.198	0.445	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/07/75-10/07/75	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/07/75-10/07/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-07/20/76	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0030

NPS Station ID: BITH0030
 Location: BOGGY CREEK AT KEITH RD.
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020007
 Major Basin:
 Minor Basin: Neches River Basin
 RF1 Index: 12020007
 RF3 Index: 12030202002201.13
 Description:
 BOGGY CREEK AT KEITH RD.

LAT/LON: 30.201670/ -94.196670

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 1.12

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10549 /0600.5700 /607.0
 Within Park Boundary: No

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/87-08/25/87	4	27.55	27.5	28.5	26.4	0.82	0.906	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/87-08/25/87	4	176.5	176.75	178.	176.	0.917	0.957	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/87-08/25/87	1	176.	176.	176.	176.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	08/25/87-08/25/87	4	2.9	2.525	3.6	0.7	1.829	1.352	**	**	**	**
00307 BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00308 BOD, NITROGEN INHIB., TOTAL, 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00309 BOD, NITROGEN INHIB., DISS., 20 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00314 BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	08/25/87-08/25/87	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	08/25/87-08/25/87	4	7.15	7.225	7.5	7.1	0.036	0.189	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	08/25/87-08/25/87	4	7.147	7.198	7.5	7.1	0.037	0.192	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	4	0.071	0.063	0.079	0.032	0.001	0.023	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	08/25/87-08/25/87	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	08/25/87-08/25/87	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/87-08/25/87	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	08/25/87-08/25/87	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/25/87-08/25/87	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/25/87-08/25/87	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/87-08/25/87	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	08/25/87-08/25/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/87-08/25/87	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/25/87-08/25/87	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/87-08/25/87	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00684 CARBON DISSOLVED ORGANIC WHATMAN GF/F MG/L AS C	08/25/87-08/25/87	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/25/87-08/25/87	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	08/25/87-08/25/87	1	6.	6.	6.	6.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/87-08/25/87	1	80.	80.	80.	80.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/87-08/25/87	1	1.903	1.903	1.903	1.903	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/87-08/25/87	1	80.	80.	80.	80.	0.	0.	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	1	24.	24.	24.	24.	0.	0.	**	**	**	**
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/25/87-08/25/87	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/25/87-08/25/87	1	145.	145.	145.	145.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0030

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED																
	Fresh Acute	4.	4	4	1.00	4	4	1.00									
00400	PH																
	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
	Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB																
	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N																
	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N																
	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE, TOTAL IN WATER																
	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)																
	Drinking Water	400.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH																
	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0031

NPS Station ID: BITH0031
 Location: VILLAGE SLOUGH AT MOUTH (STA. 1)
 Station Type: /TYP/A/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020003
 RF3 Index: 12020007000503.16

LAT/LON: 30.250005/ -94.125005

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 8.81

Agency: 21TEXWR
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 06089901
 Within Park Boundary: No

Date Created: 01/29/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.04

On/Off RF1:
 On/Off RF3:

Description:
 DATA FROM TEXAS DEPARTMENT OF WATER RESOURCES
 SAMPLES ANALYZED FOR TOXICS
 SAMPLE TAKEN FROM VILLAGE SLOUGH AT MOUTH (STATION 3 PINE ISLAND BAYOUS TUDY)

Parameter Inventory for Station: BITH0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/75-10/07/75	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/20/76-07/20/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/75-10/07/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/75-10/07/75	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/07/75-10/07/75	1	270.	270.	270.	270.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/20/76-07/20/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/75-10/07/75	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/07/75-10/07/75	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/20/76-07/20/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/75-10/07/75	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/20/76-07/20/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/07/75-10/07/75	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/20/76-07/20/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/07/75-10/07/75	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0031

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Drinking Water	50.	1	0	0.00										1	0	0.00
															1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0031

Parameter	Std. Type	Std. Value	Total		Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
			Obs	Exceed Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01027	CADMIUM, TOTAL																
	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	100.	1	0	0.00										1	0	0.00
01042	COPPER, TOTAL	18.	1	0	0.00										1	0	0.00
	Drinking Water	1300.	1	0	0.00										1	0	0.00
01051	LEAD, TOTAL	82.	1	0	0.00										1	0	0.00
	Drinking Water	5.	0 &	0	0.00												
01067	NICKEL, TOTAL	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
01077	SILVER, TOTAL	4.1	0 &	0	0.00												
	Drinking Water	50.	1	0	0.00										1	0	0.00
01092	ZINC, TOTAL	120.	1	0	0.00										1	0	0.00
01147	SELENIUM, TOTAL	20.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
71900	MERCURY, TOTAL	2.4	1	0	0.00										1	0	0.00
	Drinking Water	2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0032

NPS Station ID: BITH0032
 Location: NECHES R AT EVADALE AT HWY 96 BR
 Station Type: /TYP/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020003003
 RF3 Index: 12020003000304.49
 Description:
 DATA FROM TEXAS DEPARTMENT OF AGRICULTURE
 SAMPLE TAKEN FROM NECHES RIVER AT EVADALE AT US HIGHWAY 96 BRIDGE

LAT/LON: 30.350003/ -94.075003

Depth of Water: 999
 Elevation: 0

RF1 Mile Point: 9.140
 RF3 Mile Point: 4.49

Agency: 21TEXAG
 FIPS State/County: 48241 TEXAS/JASPER
 STORET Station ID(s): 2A
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.01

Date Created: 12/01/78

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: BITH0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	12/03/70-06/07/71	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393 ENDRLIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12/03/70-06/07/71	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39519 PCBs IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	12/03/70-06/07/71	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: BITH0033

NPS Station ID: BITH0033
 Location: NECHES RIVER AT EVADALE, TEX.
 Station Type: /TYP/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin:
 Minor Basin:
 RF1 Index: 12020003
 RF3 Index: 12030202004102.80
 Description:

LAT/LON: 30.355559/ -94.093060

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 3.28

Agency: 112WRD
 FIPS State/County: 48241 TEXAS/JASPER
 STORET Station ID(s): 08041000
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.58

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	185	21.	20.338	32.	6.	47.441	6.888	11.	15.	26.75	29.2
00060	FLOW, STREAM, MEAN DAILY CFS	34	2420.	6991.912	33000.	38.	78713024.447	8872.036	378.5	1167.5	13575.	22750.
00061	FLOW, STREAM, INSTANTANEOUS CFS	149	5400.	8244.04	38100.	155.	51791133.904	7196.606	1960.	2835.	13150.	19000.
00065	STAGE, STREAM (FEET)	46	9.595	11.022	18.21	6.73	9.896	3.146	7.858	8.393	13.868	16.104
00070	TURBIDITY, (JACKSON CANDLE UNITS)	54	35.	37.037	150.	15.	370.3	19.243	20.	25.	40.	55.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	83	23.	24.976	60.	1.8	104.048	10.2	15.	18.	32.	37.
00080	COLOR (PLATINUM-COBALT UNITS)	72	85.	95.375	240.	22.	2608.717	51.076	35.	60.	120.	160.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	182	150.5	151.896	224.	67.	1038.768	32.23	109.3	136.	171.25	195.
00300	OXYGEN, DISSOLVED MG/L	158	8.4	8.644	13.2	4.7	2.76	1.661	6.69	7.375	9.85	11.
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	98	93.	93.369	119.	11.2	177.957	13.34	80.9	87.	102.	110.1
00310	BOD, 5 DAY, 20 DEG C MG/L	158	1.3	1.425	8.	0.	0.592	0.77	0.7	1.075	1.7	2.1
00335	COD, .025N K2CR2O7 MG/L	11	21.	24.545	39.	11.	87.073	9.331	12.	18.	36.	38.4
00400p	PH (STANDARD UNITS)	182	6.75	6.788	8.2	5.9	0.146	0.382	6.4	6.5	7.	7.37
00400p	CONVERTED PH (STANDARD UNITS)	182	6.747	6.637	8.2	5.9	0.169	0.411	6.4	6.5	7.	7.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	182	0.179	0.231	1.259	0.006	0.046	0.214	0.043	0.1	0.316	0.398
00403	PH, LAB, STANDARD UNITS SU	74	7.3	7.291	8.5	5.3	0.173	0.416	6.9	7.1	7.5	7.75
00403	CONVERTED PH, LAB, STANDARD UNITS	74	7.3	6.889	8.5	5.3	0.337	0.58	6.9	7.1	7.5	7.75
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	74	0.05	0.129	5.012	0.003	0.333	0.577	0.018	0.032	0.079	0.126
00405	CARBON DIOXIDE (MG/L AS CO2)	81	6.6	9.919	48.	0.7	92.831	9.635	2.	4.05	13.	20.6
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	167	18.	19.066	41.	6.	31.038	5.571	13.	16.	21.	26.
00417	ALKALINITY, FIXED ENDPOINT TITRATION, USGS LAB MG/L	2	16.5	16.5	19.	14.	12.5	3.536	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	96	24.5	24.917	50.	11.	66.667	8.165	15.	20.	28.75	36.3
00445	CARBONATE ION (MG/L AS CO3)	94	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00447	CARBONATE, INCREMENTAL TITRATION, (CO3) FIELD MG/L	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00450	BICARBONATE, INCREMENTAL TITRATION, (HCO3) FIELD MG/L	5	22.	21.4	25.	18.	8.3	2.881	**	**	**	**
00452	CARBONATE, WATER, DISS, INCR TIT, FIELD, AS CO3, MG/L	31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE, WATER, DISS, INCR TIT, FIELD, AS HCO3, MG/L	31	20.	19.484	26.	14.	6.991	2.644	16.2	18.	21.	23.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	7	14.	15.286	30.	0.	122.238	11.056	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	72	52.	58.042	124.	14.	689.195	26.253	27.3	38.25	73.	102.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	65	14.	15.615	39.	0.	115.615	10.752	1.	7.	23.5	31.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12	19.5	27.667	75.	3.	540.97	23.259	3.3	14.	38.75	72.9
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	4	10.385	13.118	30.2	1.5	147.489	12.145	**	**	**	**
00573	BIOMASS, PERIPHYTON, DRY WEIGHT TOTAL (G/M2)	3	17.	18.733	35.8	3.4	264.693	16.269	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	54	0.705	0.771	1.8	0.38	0.08	0.283	0.48	0.61	0.843	1.2
00602	NITROGEN, DISSOLVED (MG/L AS N)	13	0.56	0.635	1.4	0.38	0.068	0.26	0.388	0.505	0.715	1.156
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	74	0.575	0.56	1.4	0.03	0.082	0.286	0.195	0.355	0.67	0.965
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	13	0.52	0.522	1.	0.2	0.041	0.204	0.244	0.37	0.61	0.9
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	79	0.03	0.048	0.28	0.	0.003	0.051	0.01	0.02	0.06	0.11

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/17/69-07/27/92	120	0.04	0.049	0.32	0.	0.002	0.048	0.01	0.02	0.068	0.099
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-03/08/93	43 ##	0.005	0.006	0.03	0.005	0.	0.004	0.005	0.005	0.005	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/17/69-07/27/92	80	0.006	0.01	0.04	0.	0.	0.01	0.	0.005	0.01	0.03
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/31/60-09/01/67	5	0.11	0.136	0.23	0.05	0.005	0.07	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/69-05/27/81	81	0.05	0.065	0.2	0.	0.004	0.059	0.	0.01	0.1	0.188
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/29/77-07/08/91	27	0.55	0.61	1.3	0.34	0.051	0.225	0.376	0.49	0.64	0.892
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/26/79-09/21/81	17	0.15	0.232	1.	0.	0.067	0.258	0.	0.065	0.33	0.688
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/26/74-03/08/93	120	0.66	0.729	3.	0.29	0.13	0.361	0.4	0.502	0.8	1.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/26/74-07/27/92	66	0.05	0.054	0.18	0.	0.002	0.043	0.01	0.02	0.08	0.113
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/23/79-03/08/93	79 ##	0.05	0.055	0.3	0.	0.002	0.04	0.025	0.05	0.05	0.1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/13/66-05/15/79	13	0.11	0.121	0.24	0.04	0.004	0.061	0.048	0.07	0.165	0.228
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/16/80-02/01/83	7	0.06	0.077	0.18	0.03	0.003	0.052	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/69-03/08/93	146	0.05	0.055	0.18	0.005	0.001	0.023	0.03	0.04	0.07	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/26/77-03/08/93	92	0.03	0.033	0.11	0.005	0.001	0.025	0.01	0.02	0.04	0.077
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/80-03/08/93	67	0.01	0.019	0.1	0.005	0.	0.018	0.005	0.01	0.02	0.032
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/18/72-09/21/81	51	8.6	10.425	41.	3.2	36.416	6.035	5.42	7.	12.	17.6
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/29/77-07/28/81	11	7.4	7.855	12.	5.3	4.533	2.129	5.4	5.8	8.9	11.8
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/29/77-07/28/81	9	0.6	0.844	1.9	0.4	0.378	0.615	0.4	0.4	1.35	1.9
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/11/59-02/01/83	109	32.	31.642	49.	14.	40.399	6.356	24.	28.5	36.5	40.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/11/59-02/01/83	109	11.	11.413	24.	0.	24.3	4.93	5.	9.	14.	17.
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	10/11/59-01/19/93	166	7.5	7.625	13.	3.	2.238	1.496	6.3	6.8	8.3	9.7
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/11/59-01/19/93	166	2.9	2.878	5.2	1.	0.476	0.69	2.	2.5	3.3	3.7
00930	SODIUM, DISSOLVED (MG/L AS Na)	10/11/59-01/19/93	131	15.	15.079	28.	5.4	14.756	3.841	10.	13.	17.	20.
00931	SODIUM ADSORPTION RATIO	10/11/59-02/01/83	105	1.2	1.211	2.1	0.5	0.094	0.306	0.8	1.	1.4	1.6
00932	SODIUM, PERCENT	10/11/59-02/01/83	75	49.	48.893	65.	25.	30.07	5.484	43.	45.	52.	56.
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/01/69-02/26/80	40	16.	15.75	27.	4.5	24.644	4.964	8.63	13.	18.75	22.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/60-01/19/93	128	2.7	2.707	3.7	1.	0.152	0.39	2.3	2.5	2.9	3.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/11/59-01/19/93	167	19.	19.443	36.	6.	29.911	5.469	13.	16.	22.	27.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/11/59-01/19/93	166	18.	18.56	32.	5.	27.945	5.286	12.	15.	22.25	25.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/11/59-01/19/93	149	0.1	0.088	0.4	0.	0.004	0.062	0.05	0.05	0.1	0.2
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/11/59-01/19/93	166	10.	10.154	20.	0.	6.921	2.631	6.7	8.475	12.	13.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/20/70-08/26/91	69	0.5	0.681	2.	0.	0.213	0.462	0.	0.5	1.	1.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	10/26/77-09/28/82	12	1.	0.917	2.	0.	0.22	0.469	0.15	0.625	1.	1.7
01002	ARSENIC, TOTAL (UG/L AS AS)	10/23/74-09/28/82	20	1.5	1.575	3.	0.5	0.507	0.712	1.	1.	2.	2.9
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/13/77-01/19/93	56	45.	44.429	54.	31.	24.722	4.972	37.7	40.	49.75	50.
01006	BARIUM, SUSPENDED (UG/L AS BA)	10/26/77-09/28/82	13	60.	67.692	200.	0.	4685.897	68.454	0.	0.	100.	200.
01007	BARIUM, TOTAL (UG/L AS BA)	10/26/77-09/28/82	15	50.	80.	200.	0.	3500.	59.161	0.	50.	100.	200.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/16/82-08/26/91	35 ##	0.25	0.333	1.	0.	0.044	0.209	0.25	0.25	0.25	0.68
01020	BORON, DISSOLVED (UG/L AS B)	04/26/74-06/23/76	7	50.	48.571	70.	30.	147.619	12.15	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/20/70-08/26/91	69 ##	0.5	0.862	18.	0.	4.793	2.189	0.	0.	1.	2.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	10/26/77-03/09/82	9	0.	0.667	5.	0.	2.75	1.658	0.	0.	0.5	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	10/23/74-09/28/82	20 ##	0.75	2.5	20.	0.	25.711	5.071	0.	0.	1.75	10.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/20/70-08/26/91	69 ##	0.5	0.957	10.	0.	4.101	2.025	0.	0.	0.5	5.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	10/26/77-07/28/81	11	5.	6.	20.	0.	43.	6.557	0.	0.	10.	18.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/20/70-10/20/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/22/71-09/28/82	22 ##	5.	7.045	20.	0.	56.331	7.505	0.	0.	10.	20.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/20/70-01/19/93	74 ##	1.5	1.101	3.	0.	0.5	0.707	0.	0.	1.5	1.5
01036	COBALT, SUSPENDED (UG/L AS CO)	10/26/77-03/09/82	9	0.	3.111	25.	0.	67.611	8.223	0.	0.	1.	25.
01037	COBALT, TOTAL (UG/L AS CO)	10/23/74-09/28/82	20 ##	0.75	8.15	50.	0.	326.003	18.056	0.	0.	2.	50.
01040	COPPER, DISSOLVED (UG/L AS CU)	04/01/66-08/26/91	69	3.	3.58	17.	0.	10.747	3.278	1.	2.	4.	8.
01041	COPPER, SUSPENDED (UG/L AS CU)	10/26/77-09/28/82	15	4.	4.267	10.	0.	8.495	2.915	0.	2.	6.	9.4
01042	COPPER, TOTAL (UG/L AS CU)	10/23/74-09/28/82	20	7.	6.25	12.	0.	14.408	3.796	1.1	3.	10.	10.
01044	IRON, SUSPENDED (UG/L AS FE)	04/03/78-09/28/82	13	1400.	1503.846	2900.	710.	373575.641	611.208	718.	1055.	1700.	2660.
01045	IRON, TOTAL (UG/L AS FE)	10/23/74-09/28/82	20	1650.	1712.	2900.	870.	318785.263	564.611	902.	1350.	2000.	2500.
01046	IRON, DISSOLVED (UG/L AS FE)	05/09/66-01/19/93	74	185.	217.297	920.	5.	23873.143	154.509	58.5	110.	272.5	420.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/01/66-08/26/91	67	1.	2.507	28.	0.	18.663	4.32	0.	0.5	3.	5.
01050	LEAD, SUSPENDED (UG/L AS PB)	10/26/77-09/28/82	14	2.5	13.929	100.	0.	789.456	28.097	0.	0.	14.25	75.
01051	LEAD, TOTAL (UG/L AS PB)	10/23/74-09/28/82	20	8.5	26.85	100.	0.	1451.608	38.1	1.1	3.25	22.	100.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/26/77-09/28/82	15	180.	175.6	320.	30.	7807.543	88.36	54.	100.	260.	296.
01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/74-09/28/82	20	170.	182.25	410.	5.	10522.303	102.578	54.	112.5	260.	347.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/01/66-01/19/93	74	20.	42.743	890.	0.	11148.139	105.585	3.	5.	45.25	77.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-01/19/93	40 ##	5.	5.125	10.	5.	0.625	0.791	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/01/66-01/19/93	66	2.	2.727	17.	0.	7.263	2.695	0.	1.	3.25	6.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01066	NICKEL, SUSPENDE (UG/L AS NI)	01/15/80-07/07/82	8	1.5	2.125	8.	0.	7.268	2.696	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/15/80-09/28/82	9	4.	4.278	11.	0.5	8.944	2.991	0.5	2.5	5.5
01075	SILVER, DISSOLVED (UG/L AS AG)	04/13/77-01/19/93	56 ##	0.5	0.482	4.	0.	0.318	0.564	0.	0.5	0.5
01076	SILVER, SUSPENDE (UG/L AS AG)	10/26/77-07/28/81	11	0.	0.636	5.	0.	2.255	1.502	0.	0.	1.
01077	SILVER, TOTAL (UG/L AS AG)	10/26/77-09/28/82	16 ##	0.	0.875	10.	0.	6.05	2.46	0.	0.	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	04/01/66-01/19/93	58	87.	98.276	320.	47.	1763.116	41.989	67.9	75.75	100.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-01/19/93	40 ##	3.	3.	3.	0.	0.	0.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/01/66-08/26/91	68	10.5	23.147	240.	0.	1573.694	39.67	1.5	6.	23.75
01091	ZINC, SUSPENDE (UG/L ZN)	10/26/77-09/28/82	15	20.	18.6	70.	0.	325.114	18.031	0.	5.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	10/23/74-09/28/82	20	20.	34.8	220.	0.	2248.168	47.415	6.4	20.	37.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/01/66-01/19/93	57	50.	88.86	540.	0.	10291.98	101.449	20.	40.	105.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	04/01/66-01/19/93	58	5.	6.	20.	0.	12.667	3.559	2.	5.	7.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/23/74-01/19/93	60 ##	0.5	0.533	2.	0.	0.109	0.33	0.5	0.5	0.5
01146	SELENIUM, SUSPENDE (UG/L AS SE)	10/26/77-07/28/81	11	0.	0.	0.	0.	0.	0.	0.	0.	0.
01147	SELENIUM, TOTAL (UG/L AS SE)	10/23/74-09/28/82	20 ##	0.5	0.425	1.	0.	0.086	0.294	0.	0.125	0.5
31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/23/74-05/10/78	27	1700.	5128.519	34000.	150.	60360336.182	7769.191	246.	700.	7000.
31501	LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	10/23/74-05/10/78	27	3.23	3.283	4.531	2.176	0.42	0.648	2.38	2.845	3.845
31501	GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1917.991							
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/74-09/14/76	14	96.5	112.857	260.	14.	7343.67	85.695	19.	34.25	195.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/23/74-09/14/76	14	1.971	1.895	2.415	1.146	0.176	0.419	1.263	1.53	2.29
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			78.45							
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	102	48.	133.824	4100.	2.	185205.553	430.355	20.	32.	88.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	102	1.681	1.741	3.613	0.301	0.218	0.467	1.301	1.505	1.944
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			55.118							
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	102	112.	214.882	2300.	14.	109367.333	330.707	30.	51.	215.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	102	2.049	2.056	3.362	1.146	0.223	0.472	1.477	1.707	2.332
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			113.864							
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/23/74-09/14/76	14	81.	201.429	1000.	20.	76995.187	277.48	22.	37.75	295.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/23/74-09/14/76	14	1.879	1.988	3.	1.301	0.283	0.532	1.341	1.574	2.466
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			97.277							
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	11/13/74-08/25/76	4	0.035	0.198	0.72	0.	0.122	0.35	**	**	**
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	11/13/74-08/25/76	4	0.825	2.963	10.2	0.	23.616	4.86	**	**	**
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	11/13/74-11/13/74	1	0.	0.	0.	0.	0.	0.	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/20/70-08/23/72	11	0.	1.727	8.	0.	10.018	3.165	0.	0.	2.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/01/66-08/23/72	13	0.	0.003	0.03	0.	0.	0.009	0.	0.	0.
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	02/26/79-07/28/81	5	0.	0.	0.	0.	0.	0.	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CaCO3 MG/L	04/16/90-04/09/91	2	0.	0.	0.	0.	0.	0.	**	**	**
39086	ALKALINITY, WATER,DISS,INCR TIT.FIELD,AS CaCO3,MG/L	11/13/89-03/08/93	20	15.5	15.95	21.	12.	5.629	2.373	13.1	14.	17.
39250	NAPHTHALENES, POLYCHLORINATED (UG/L)	06/23/76-07/28/81	7	0.	0.	0.	0.	0.	0.	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	01/20/81-07/28/81	2	0.	0.	0.	0.	0.	0.	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	26	0.	0.027	0.2	0.	0.003	0.053	0.	0.	0.025
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/20/70-07/28/81	26	0.	0.027	0.2	0.	0.003	0.053	0.	0.	0.025
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/30/70-07/28/81	29	0.	0.	0.	0.	0.	0.	0.	0.	0.
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/20/70-07/28/81	26	0.	5.573	140.	0.	751.979	27.422	0.	0.	0.5
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	26	0.	0.327	8.	0.	2.451	1.566	0.	0.	0.025
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	26	0.	0.027	0.2	0.	0.003	0.053	0.	0.	0.025
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.003	0.06	0.	0.	0.012	0.	0.	0.
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	26	0.	0.081	1.4	0.	0.075	0.274	0.	0.	0.1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/20/70-07/28/81	26	0.	0.527	12.	0.	5.507	2.347	0.	0.	0.1
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	04/13/77-07/28/81	7	0.	0.	0.	0.	0.	0.	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	01/20/81-07/28/81	2	0.	0.	0.	0.	0.	0.	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	26	0.	0.027	0.2	0.	0.003	0.053	0.	0.	0.025
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	12/17/75-07/28/81	9	0.	0.	0.	0.	0.	0.	0.	0.	0.
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	10/20/70-07/28/81	18	0.	0.	0.	0.	0.	0.	0.	0.	0.
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/20/70-07/28/81	17	0.	1.176	5.	0.	4.779	2.186	0.	0.	2.5
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/20/70-07/28/81	26	0.	0.027	0.2	0.	0.003	0.053	0.	0.	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.	0.	0.	0.	0.	0.	0.	0.
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/20/70-07/28/81	26	0.	0.027	0.2	0.003	0.053	0.	0.	0.025	0.1
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	02/26/80-07/28/81	4	0.	0.	0.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	02/26/80-07/28/81	4	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/18/72-07/28/81	20	0.	0.	0.	0.	0.	0.	0.	0.	0.
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/06/72-07/28/81	21	0.	2.381	50.	0.	119.048	10.911	0.	0.	0.
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	27	0.	0.	0.	0.	0.	0.	0.	0.	0.
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-08/17/71	4 ##	0.1	0.1	0.1	0.1	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	26	0.	0.	0.	0.	0.	0.	0.	0.	0.
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/20/70-08/17/71	4 ##	0.1	0.1	0.1	0.1	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	27	0.	0.001	0.01	0.	0.003	0.	0.	0.	0.002
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/25/70-07/28/81	27	0.	0.	0.	0.	0.	0.	0.	0.	0.
39601	METHYL PARATHION IN BOT. DEPOS. (UG/KG DRY SOLIDS)	10/20/70-08/17/71	4 ##	0.1	0.1	0.1	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	36	0.	0.003	0.03	0.	0.008	0.	0.	0.	0.02
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/20/70-08/17/71	4 ##	0.55	0.625	1.1	0.3	0.141	0.375	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	36	0.	0.003	0.03	0.	0.	0.007	0.	0.	0.01
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/20/70-08/17/71	4 ##	0.1	0.087	0.1	0.05	0.001	0.025	**	**	**
39755	MIREX, TOTAL (UG/L)	10/26/77-07/28/81	7	0.	0.	0.	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	01/20/81-07/28/81	2	0.	0.	0.	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	03/28/68-07/28/81	37	0.	0.032	0.77	0.	0.017	0.13	0.	0.	0.054
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/20/70-08/17/71	4 ##	0.1	0.1	0.1	0.1	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/17/75-07/28/81	9	0.	0.	0.	0.	0.	0.	0.	0.	0.
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	12/17/75-07/28/81	9	0.	0.	0.	0.	0.	0.	0.	0.	0.
60050	ALGAE, TOTAL (CELLS/ML)	10/23/74-09/21/81	28	2200.	5572.5	31000.	180.	60858730.556	7801.201	468.	1125.	9250.
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/60-01/19/93	110	103.	102.764	139.	69.	222.017	14.9	82.1	93.75	111.25
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/31/60-02/01/83	108	90.	88.491	129.	35.	328.682	18.13	64.8	79.	102.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/11/60-09/28/82	106	1085.	1649.756	5630.	9.23	2016922.012	1420.184	207.1	573.25	2655.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/11/60-02/01/83	108	0.13	0.131	0.19	0.05	0.001	0.03	0.09	0.113	0.15
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/05/60-07/27/92	121	80.	75.521	100.	12.	433.585	20.823	44.4	62.	95.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	10/05/60-05/10/61	7	84.	80.286	92.	63.	141.571	11.898	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	10/05/60-05/10/61	7	93.	92.429	96.	86.	10.952	3.309	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	10/05/60-05/10/61	7	100.	99.571	100.	98.	0.619	0.787	**	**	**
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	12/21/60-05/10/61	2	100.	100.	100.	100.	0.	0.	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/90-07/27/92	12	0.03	0.026	0.04	0.005	0.	0.012	0.005	0.02	0.038
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/15/79-12/16/80	9	0.05	0.041	0.07	0.	0.001	0.028	0.	0.01	0.07
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/23/79-02/01/83	21	0.08	0.104	0.36	0.	0.011	0.104	0.002	0.03	0.165
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/11/59-09/01/69	16	0.5	0.625	2.5	0.	0.462	0.68	0.07	0.125	0.75
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/15/79-09/09/85	33	0.18	0.18	0.37	0.09	0.005	0.071	0.102	0.12	0.21
71887	NITROGEN, TOTAL, AS NO3 - MG/L	04/26/74-09/21/81	54	3.1	3.42	7.9	1.7	1.617	1.272	2.15	2.675	3.75
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/70-08/26/91	65 ##	0.05	0.158	2.8	0.	0.127	0.356	0.05	0.05	0.225
71895	MERCURY, SUSPENDED (UG/L AS HG)	10/26/77-07/07/82	13	0.1	0.085	0.5	0.	0.018	0.134	0.	0.	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	10/23/74-09/28/82	20 ##	0.15	0.183	0.6	0.05	0.021	0.144	0.05	0.05	0.25
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/60-07/27/92	121	38.	48.446	190.	11.	1161.366	34.079	18.	25.	59.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/60-09/28/82	62	618.	957.194	6560.	15.	1226381.47	1107.421	58.2	291.5	1325.
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	01/20/81-07/28/81	2	0.	0.	0.	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/27/81-05/27/81	3	2.2	2.	2.2	1.6	0.12	0.346	**	**	**
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	01/20/81-07/28/81	2	0.	0.	0.	0.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----		-----11/01-1/31-----		-----2/01-5/31-----		-----6/01-8/14-----	
						Obs	Exceed	Obs	Exceed	Obs	Exceed	Obs	Exceed
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	54	9	0.17	13	1	0.08	10	1	0.10	22
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	83	3	0.04	11	0	0.00	22	2	0.09	34
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	158	0	0.00	29	0	0.00	35	0	0.00	64
00400	PH	Other-Hi Lim.	9.	182	0	0.00	34	0	0.00	42	0	0.00	73
00403	PH, LAB	Other-Lo Lim.	6.5	182	48	0.26	34	13	0.38	42	10	0.24	73
		Other-Hi Lim.	9.	74	0	0.00	9	0	0.00	20	0	0.00	29
		Other-Lo Lim.	6.5	74	1	0.01	9	0	0.00	20	0	0.00	29

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	43	0	0.00	3	0	0.00	12	0	0.00	18	0	0.00	10	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	80	0	0.00	17	0	0.00	16	0	0.00	34	0	0.00	13	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	81	0	0.00	20	0	0.00	16	0	0.00	33	0	0.00	12	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	66	0	0.00	13	0	0.00	15	0	0.00	27	0	0.00	11	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	79	0	0.00	10	0	0.00	20	0	0.00	32	0	0.00	17	0	0.00
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	167	0	0.00	32	0	0.00	39	0	0.00	67	0	0.00	29	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	166	0	0.00	32	0	0.00	39	0	0.00	66	0	0.00	29	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	69	0	0.00	16	0	0.00	13	0	0.00	24	0	0.00	16	0	0.00
		Drinking Water	50.	69	0	0.00	16	0	0.00	13	0	0.00	24	0	0.00	16	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	12	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	50.	12	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	50.	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	56	0	0.00	9	0	0.00	14	0	0.00	19	0	0.00	14	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	13	0	0.00	3	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	15	0	0.00	3	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	35	0	0.00	6	0	0.00	8	0	0.00	11	0	0.00	10	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	69	1	0.01	16	0	0.00	13	1	0.08	24	0	0.00	16	0	0.00
		Drinking Water	5.	69	1	0.01	16	0	0.00	13	1	0.08	24	0	0.00	16	0	0.00
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	8 &	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	5.	8 &	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	18 &	1	0.06	2	0	0.00	5	0	0.00	8	1	0.13	3	0	0.00
		Drinking Water	5.	18 &	1	0.06	2	0	0.00	5	0	0.00	8	1	0.13	3	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	69	0	0.00	16	0	0.00	13	0	0.00	24	0	0.00	16	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	11	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	22	0	0.00	5	0	0.00	5	0	0.00	9	0	0.00	3	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	69	0	0.00	16	0	0.00	13	0	0.00	24	0	0.00	16	0	0.00
		Drinking Water	1300.	69	0	0.00	16	0	0.00	13	0	0.00	24	0	0.00	16	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	15	0	0.00	3	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00
		Drinking Water	1300.	15	0	0.00	3	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	1300.	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	67	0	0.00	16	0	0.00	13	0	0.00	22	0	0.00	16	0	0.00
		Drinking Water	5.	66 &	8	0.12	16	1	0.06	13	3	0.23	21	1	0.05	16	3	0.19
01050	LEAD, SUSPENDED	Fresh Acute	82.	14	1	0.07	3	0	0.00	4	0	0.00	6	1	0.17	1	0	0.00
		Drinking Water	5.	13 &	4	0.31	2	0	0.00	4	1	0.25	6	3	0.50	1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	16 &	0	0.00	2	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00
		Drinking Water	5.	16 &	9	0.56	2	0	0.00	5	2	0.40	6	5	0.83	3	2	0.67
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	66	0	0.00	14	0	0.00	13	0	0.00	21	0	0.00	18	0	0.00
		Drinking Water	100.	66	0	0.00	14	0	0.00	13	0	0.00	21	0	0.00	18	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	8	0	0.00				2	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	100.	8	0	0.00				2	0	0.00	4	0	0.00	2	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	100.	9	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	56	0	0.00	9	0	0.00	14	0	0.00	19	0	0.00	14	0	0.00
		Drinking Water	50.	56	0	0.00	9	0	0.00	14	0	0.00	19	0	0.00	14	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	10 &	0	0.00	1	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
		Drinking Water	50.	11	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	15 &	0	0.00	2	0	0.00	4	0	0.00	7	0	0.00	2	0	0.00
		Drinking Water	50.	16	0	0.00	3	0	0.00	4	0	0.00	7	0	0.00	2	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	68	2	0.03	16	1	0.06	13	0	0.00	23	0	0.00	16	1	0.06
01091	ZINC, SUSPENDED	Fresh Acute	120.	15	0	0.00	3	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	20	1	0.05	4	1	0.25	5	0	0.00	8	0	0.00	3	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	60	0	0.00	10	0	0.00	15	0	0.00	20	0	0.00	15	0	0.00
		Drinking Water	50.	60	0	0.00	10	0	0.00	15	0	0.00	20	0	0.00	15	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

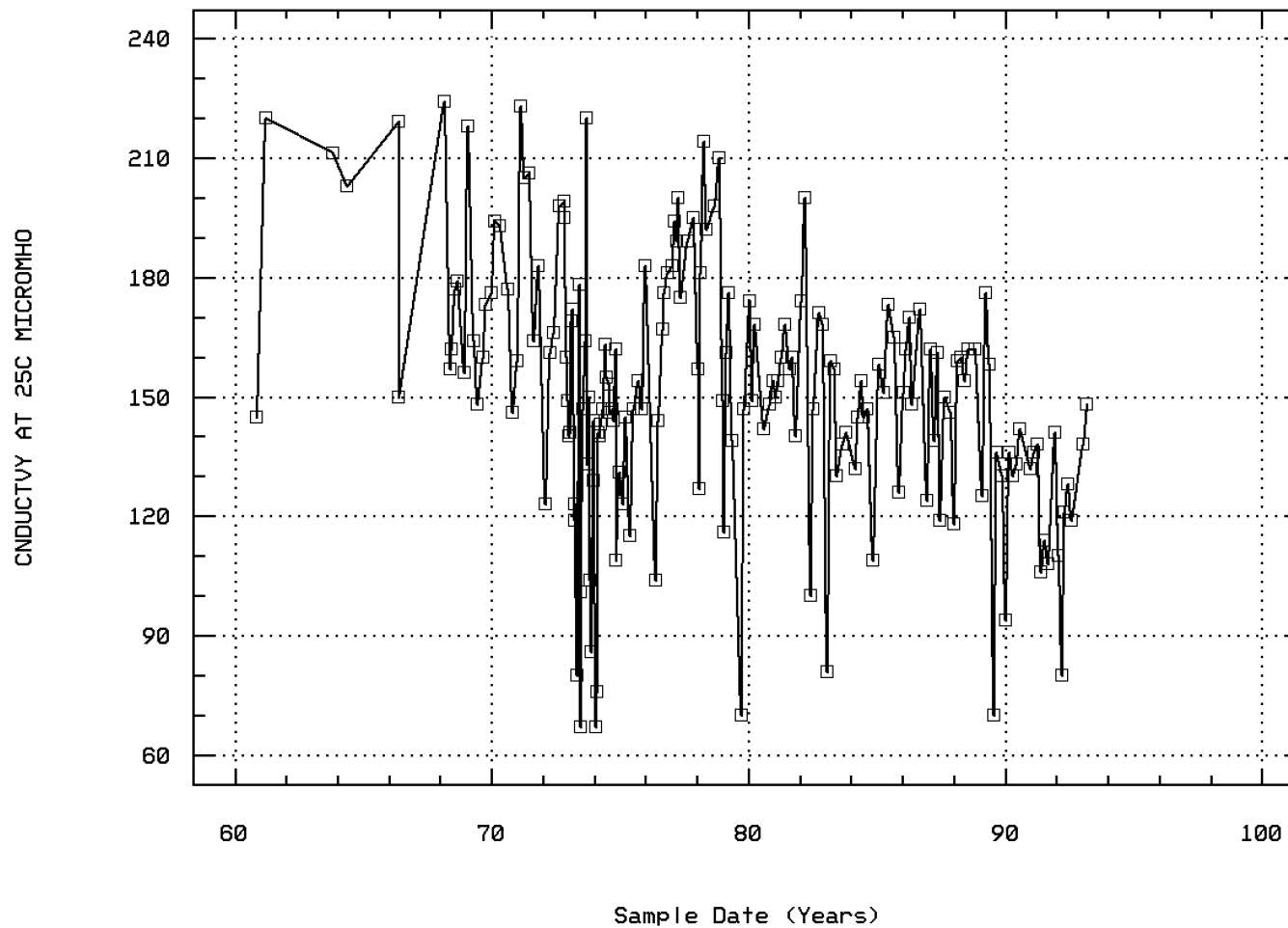
EPA Water Quality Criteria Analysis for Station: BITH0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	11	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
	Drinking Water	50.	11	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00
	Drinking Water	50.	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	27	15	0.56	5	3	0.60	7	5	0.71	12	6	0.50	3	1	0.33
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	14	3	0.21	4	0	0.00	4	1	0.25	4	2	0.50	2	0	0.00
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	102	10	0.10	14	2	0.14	26	4	0.15	44	4	0.09	18	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
	Drinking Water	0.2	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	29	0	0.00	8	0	0.00	3	0	0.00	11	0	0.00	7	0	0.00
	Drinking Water	2.	29	0	0.00	8	0	0.00	3	0	0.00	11	0	0.00	7	0	0.00
39360 DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39380 DIELDIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	7	0	0.00				2	0	0.00	3	0	0.00	2	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
	Drinking Water	0.2	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	18	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00	5	0	0.00
	Drinking Water	3.	18	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00	5	0	0.00
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
	Drinking Water	0.4	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
	Drinking Water	0.2	37	0	0.00	10	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00				1	0	0.00	1	0	0.00	2	0	0.00
39540 PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	26	0	0.00	8	0	0.00	3	0	0.00	9	0	0.00	6	0	0.00
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	36	0	0.00	11	0	0.00	3	0	0.00	15	0	0.00	7	0	0.00
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	37	0	0.00	11	0	0.00	3	0	0.00	16	0	0.00	7	0	0.00
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	16	0	0.00	3	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	65	1	0.02	14	1	0.07	13	0	0.00	22	0	0.00	16	0	0.00
	Drinking Water	2.	65	1	0.02	14	1	0.07	13	0	0.00	22	0	0.00	16	0	0.00
71895 MERCURY, SUSPENDED	Fresh Acute	2.4	13	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00	2	0	0.00
	Drinking Water	2.	13	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00	2	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00
	Drinking Water	2.	20	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station: BITH0033 Parameter Code: 00095

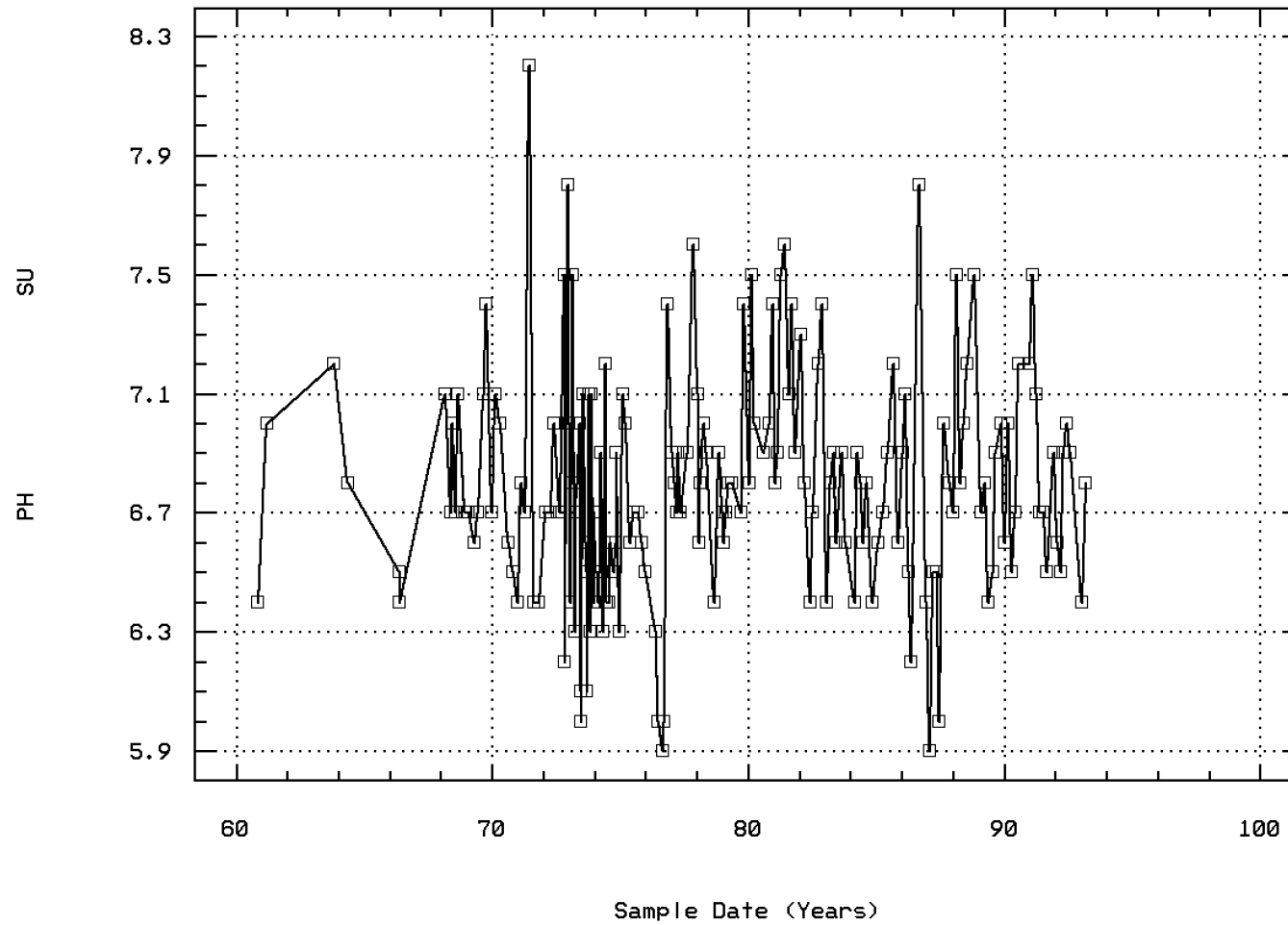
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00400

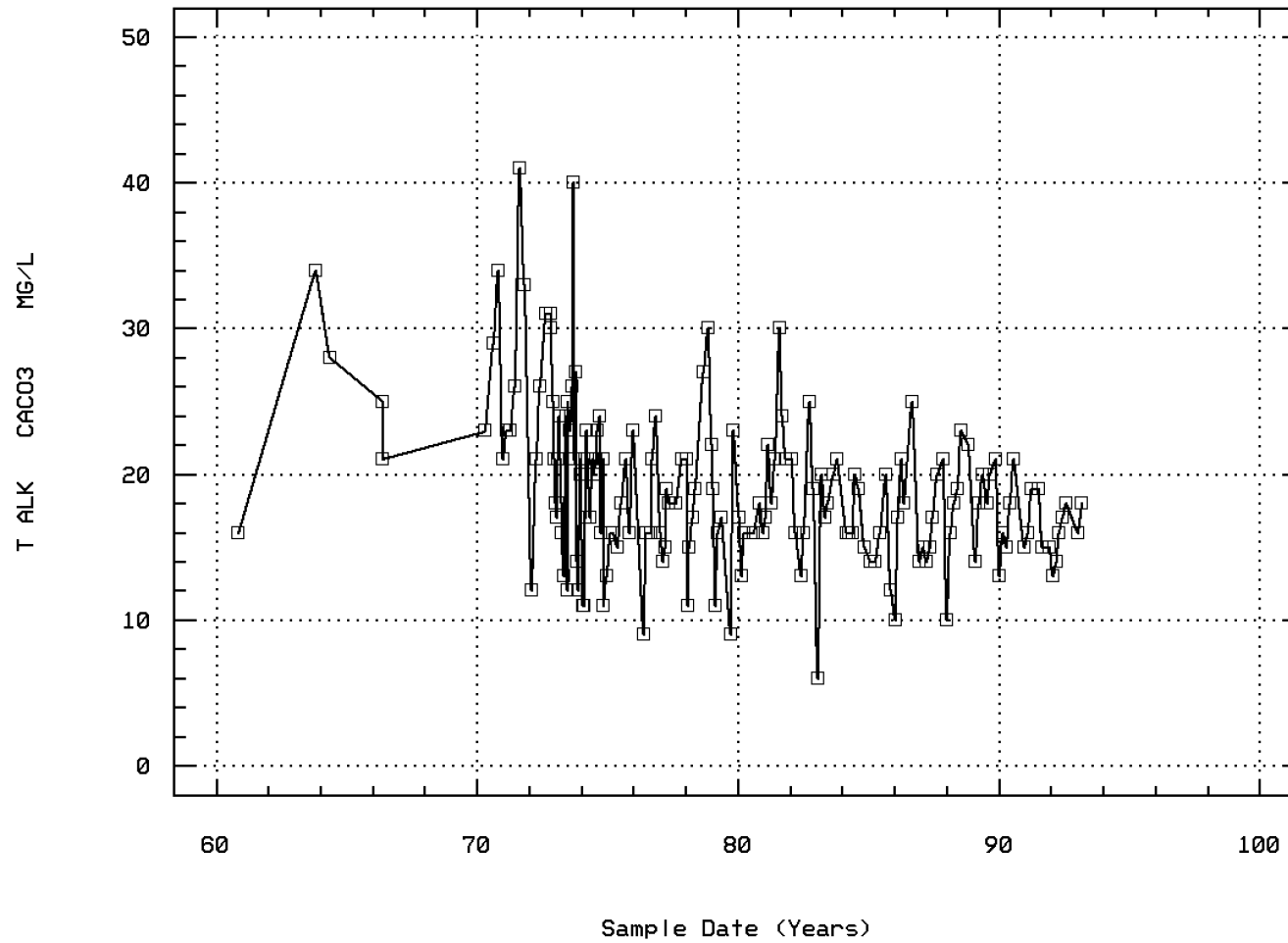
PH (STANDARD UNITS)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00410

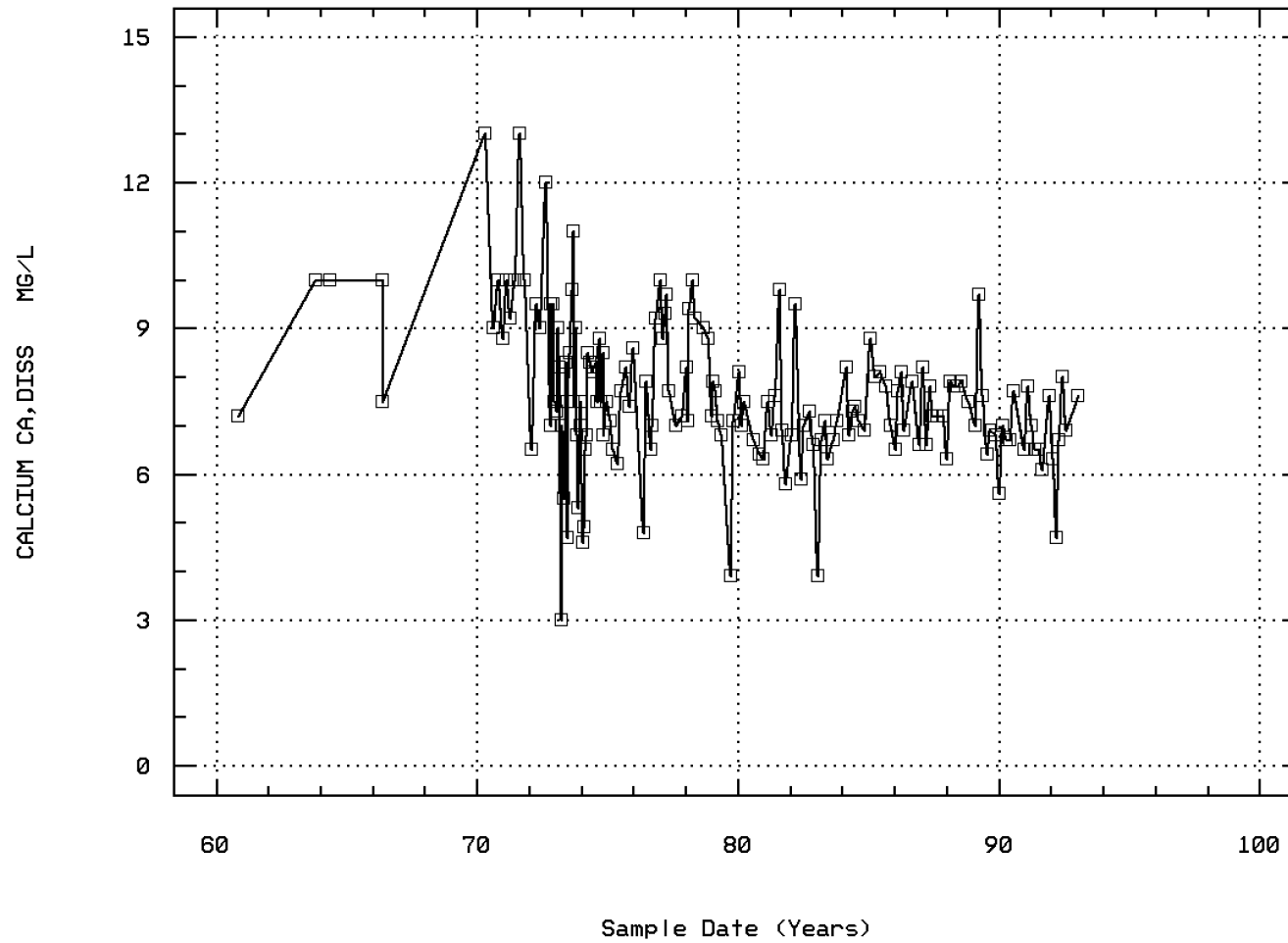
ALKALINITY, TOTAL (MG/L AS CaCO3)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00915

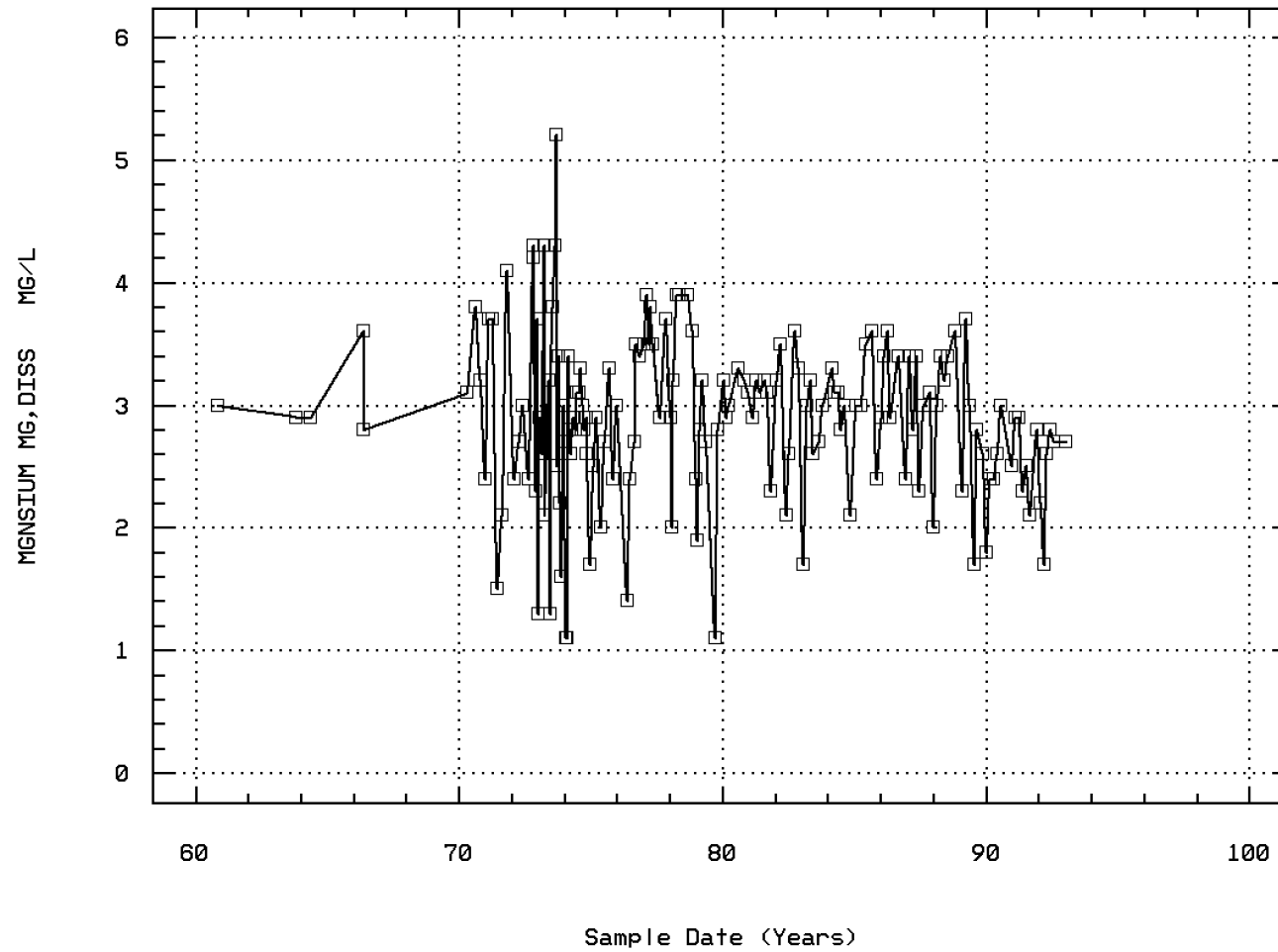
CALCIUM, DISSOLVED (MG/L AS CA)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00925

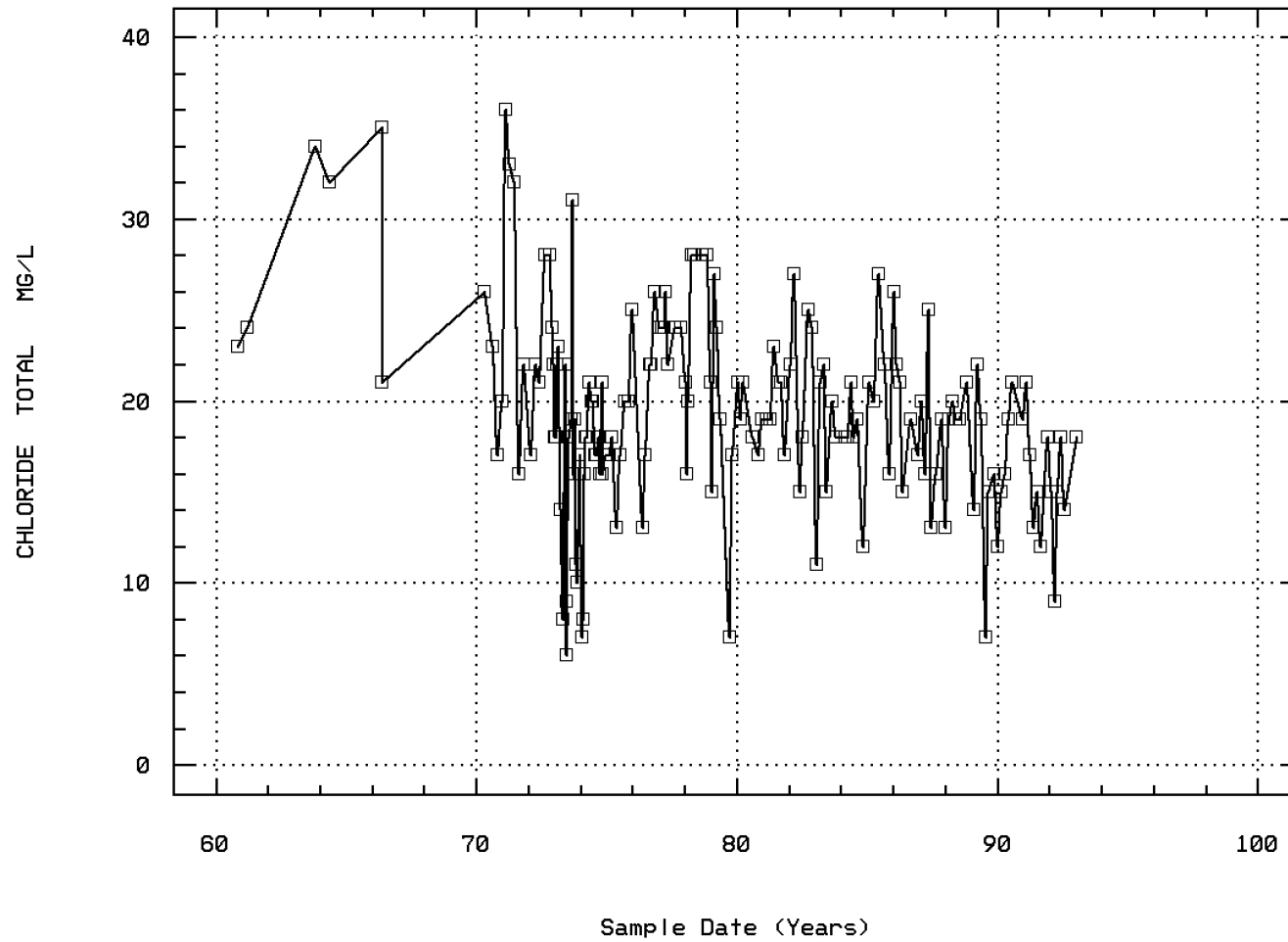
MAGNESIUM, DISSOLVED (MG/L AS MG)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00940

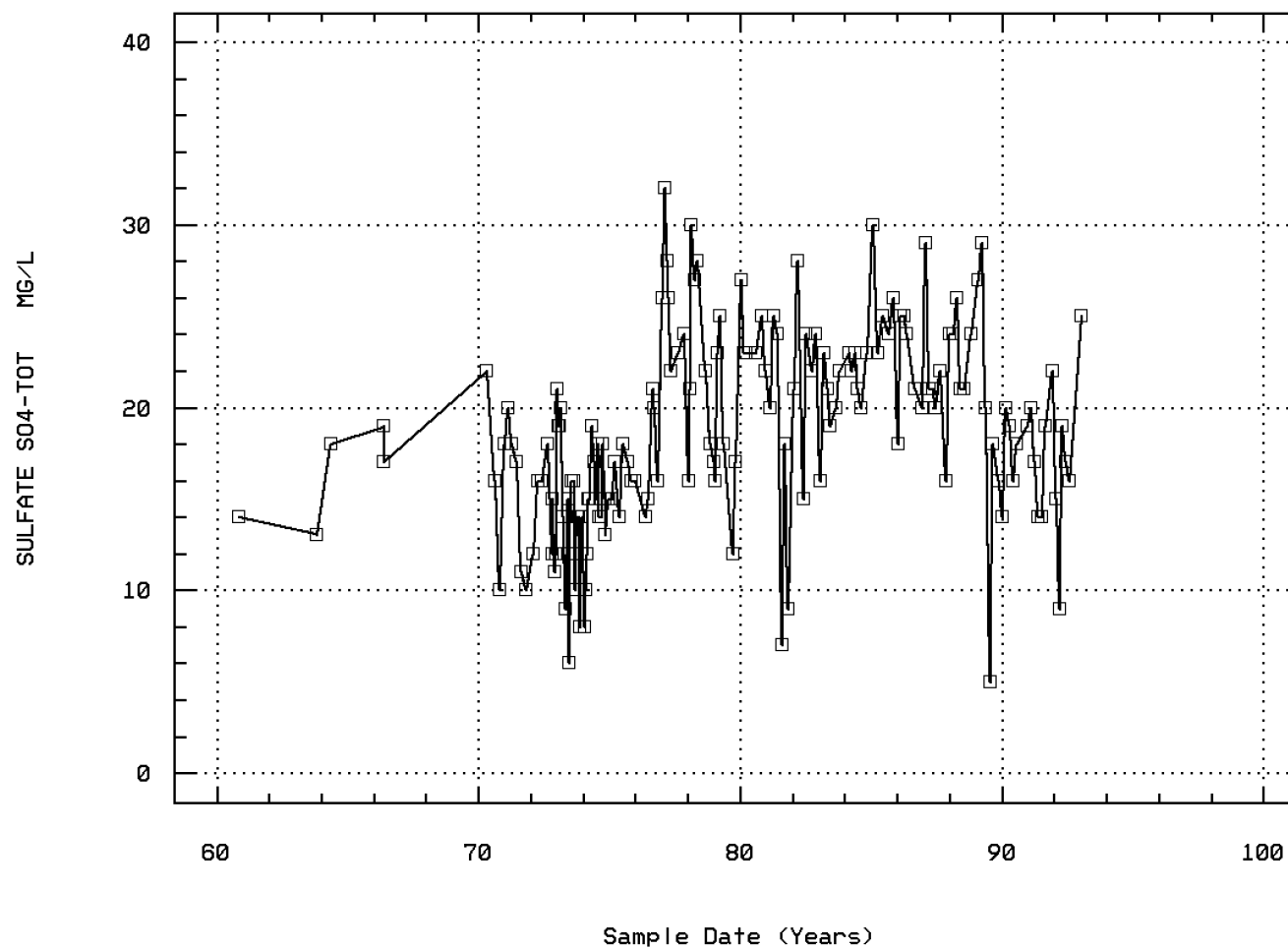
CHLORIDE, TOTAL IN WATER



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00945

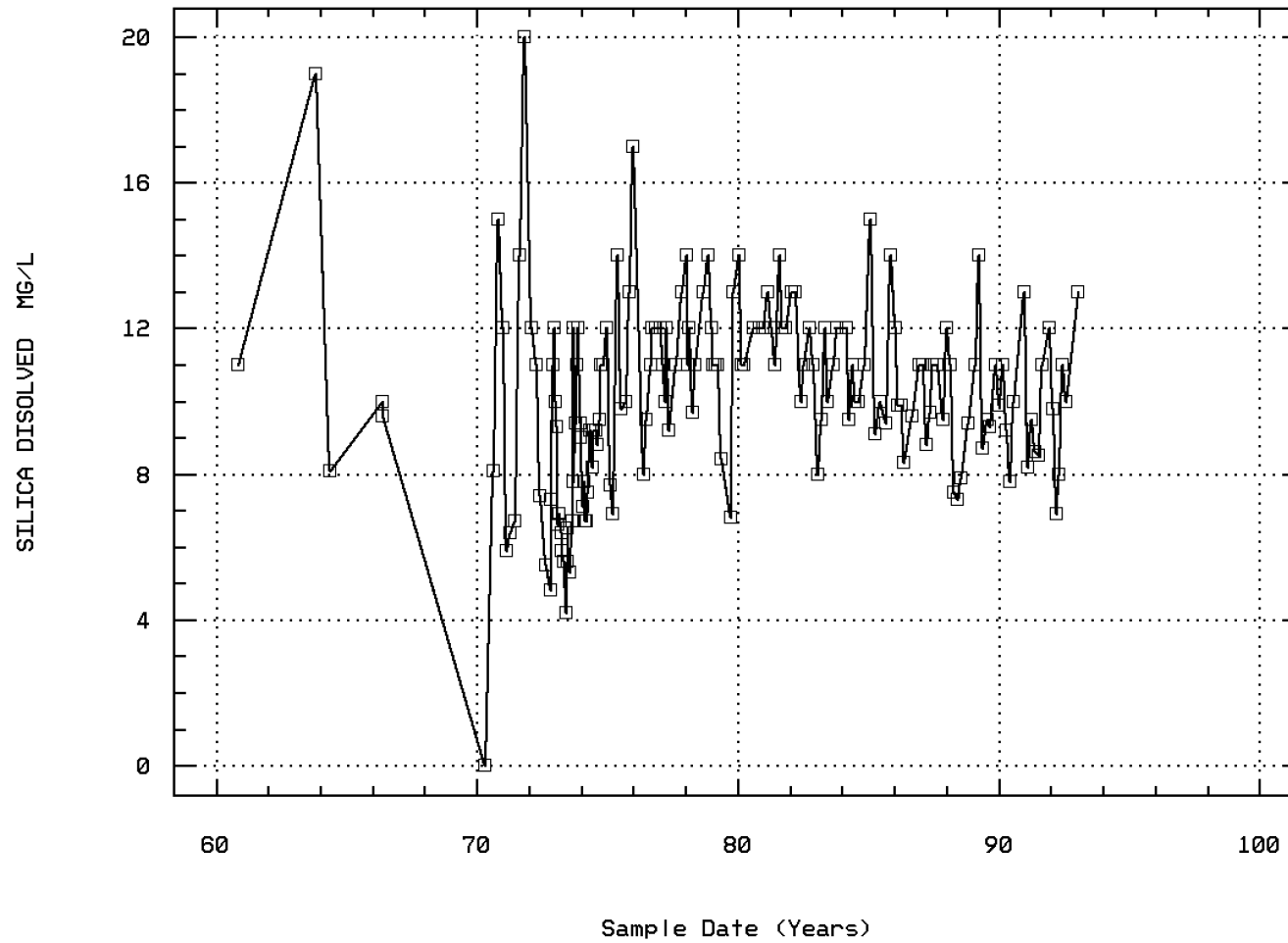
SULFATE, TOTAL (MG/L AS SO₄)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00955

SILICA, DISSOLVED (MG/L AS SI02)



NECHES RIVER AT EVADALE, TEX.

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/60-03/08/93	35	26.	26.011	31.	18.5	10.622	3.259	21.8	23.5	28.5	30.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/72-07/27/92	27	2800.	3829.407	11510.	394.	6908272.558	2628.359	1070.	2200.	5400.	8072.
00065	STAGE, STREAM (FEET)	11/02/81-08/14/89	5	8.24	8.66	10.71	7.83	1.35	1.162	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/70-09/13/78	13	30.	30.	60.	15.	141.667	11.902	17.	20.	37.5	52.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/31/78-01/19/93	11	19.	20.727	37.	14.	43.018	6.559	14.2	16.	23.	35.
00080	COLOR (PLATINUM-COBALT UNITS)	01/01/68-07/28/81	16	60.	78.75	220.	30.	2461.667	49.615	30.	46.25	97.5	178.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/59-03/08/93	35	162.	161.371	220.	70.	923.417	30.388	123.	146.	179.	198.4
00300p	OXYGEN, DISSOLVED MG/L	02/28/68-03/08/93	29	7.6	7.81	9.8	6.2	0.785	0.886	6.8	7.	8.5	8.9
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/28/68-02/01/83	23	92.	94.261	114.	81.	94.656	9.729	83.	86.	104.	109.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	02/28/68-03/08/93	29	1.2	1.476	8.	0.4	1.816	1.348	0.6	0.85	1.65	2.1
00400p	PH (STANDARD UNITS)	10/11/59-03/08/93	34	6.7	6.797	7.8	5.9	0.244	0.494	6.15	6.4	7.2	7.5
00400p	CONVERTED PH (STANDARD UNITS)	10/11/59-03/08/93	34	6.7	6.561	7.8	5.9	0.301	0.549	6.15	6.4	7.2	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/59-03/08/93	34	0.2	0.275	1.259	0.016	0.082	0.287	0.032	0.063	0.398	0.713
00403	PH, LAB, STANDARD UNITS SU	10/20/80-01/19/93	9	7.3	7.3	7.8	6.7	0.152	0.391	6.7	6.95	7.7	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	10/20/80-01/19/93	9	7.3	7.151	7.8	6.7	0.177	0.421	6.7	6.95	7.7	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/80-01/19/93	9	0.05	0.071	0.2	0.016	0.004	0.061	0.016	0.02	0.113	0.2
00405	CARBON DIOXIDE (MG/L AS CO2)	10/31/60-07/29/80	18	11.5	15.639	40.	1.	180.459	13.434	1.72	4.025	26.75	40.
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/11/59-03/08/93	32	22.5	23.844	41.	9.	53.039	7.283	15.3	20.	29.25	33.7
00440p	BICARBONATE ION (MG/L AS HCO3)	10/11/59-01/27/87	23	29.	30.391	50.	11.	99.976	9.999	17.8	25.	38.	46.2
00445	CARBONATE ION (MG/L AS CO3)	07/01/62-01/27/87	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/20/70-07/28/81	16	42.5	46.563	84.	21.	338.529	18.399	25.2	34.	61.25	80.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/08/72-07/28/81	13	14.	13.923	31.	0.	96.577	9.827	0.	4.5	21.5	29.4
00600	NITROGEN, TOTAL (MG/L AS N)	04/26/74-09/21/81	12	0.695	0.71	1.2	0.42	0.045	0.212	0.423	0.59	0.76	1.128
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/70-09/21/81	19	0.55	0.489	0.94	0.03	0.065	0.254	0.13	0.31	0.66	0.9
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/23/79-03/08/93	10	0.04	0.056	0.18	0.005	0.003	0.053	0.007	0.02	0.08	0.173
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/17/69-07/27/92	22	0.04	0.066	0.24	0.005	0.005	0.069	0.005	0.018	0.1	0.202
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-03/08/93	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/17/69-07/27/92	17	0.008	0.01	0.03	0.	0.	0.008	0.	0.005	0.015	0.022
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/69-05/27/81	20	0.01	0.039	0.2	0.	0.004	0.061	0.	0.003	0.053	0.19
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/26/74-03/08/93	19	0.67	0.686	1.4	0.3	0.072	0.269	0.4	0.5	0.75	1.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/26/74-07/27/92	13	0.02	0.04	0.12	0.	0.001	0.038	0.004	0.015	0.06	0.116
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/23/79-03/08/93	10 ##	0.05	0.067	0.2	0.	0.003	0.053	0.005	0.05	0.078	0.19
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/69-03/08/93	27	0.05	0.05	0.09	0.02	0.	0.018	0.03	0.04	0.06	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/26/77-03/08/93	14	0.02	0.028	0.09	0.005	0.001	0.024	0.008	0.01	0.035	0.075
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/80-03/08/93	7	0.01	0.011	0.02	0.005	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/18/72-09/21/81	13	8.9	11.762	41.	3.2	95.128	9.753	4.08	6.25	12.5	32.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/11/59-02/01/83	26	33.5	33.962	49.	14.	47.398	6.885	26.7	29.75	39.25	42.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/11/59-02/01/83	26	10.	9.385	16.	0.	14.326	3.785	4.	6.	12.	14.3
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	10/11/59-01/19/93	32	7.5	8.094	13.	3.9	3.308	1.819	6.43	7.	9.	10.7
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/11/59-01/19/93	32	3.2	3.203	5.2	1.1	0.638	0.799	2.13	2.725	3.6	4.27
00930p	SODIUM, DISSOLVED (MG/L AS NA)	10/11/59-01/19/93	22	16.	16.064	23.	6.4	12.337	3.512	12.3	14.	18.25	20.7
00931	SODIUM ADSORPTION RATIO	10/11/59-02/01/83	25	1.3	1.228	1.8	0.7	0.088	0.297	0.82	1.	1.45	1.64
00932	SODIUM, PERCENT	10/11/59-02/01/83	15	51.	49.467	56.	43.	19.124	4.373	43.6	45.	53.	55.4
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/01/69-02/26/80	12	15.	15.767	23.	8.3	24.277	4.927	8.48	12.25	20.75	22.7
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/60-01/19/93	21	2.7	2.719	3.1	2.1	0.059	0.242	2.42	2.6	2.85	3.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/11/59-01/19/93	32	20.5	20.5	31.	7.	29.097	5.394	13.2	17.	23.75	28.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/11/59-01/19/93	32	17.5	17.156	25.	10.	20.846	4.566	10.3	14.	21.	24.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/11/59-01/19/93	29	0.1	0.105	0.3	0.	0.004	0.063	0.05	0.075	0.1	0.2
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/11/59-01/19/93	32	11.	10.85	20.	4.8	8.836	2.973	6.73	9.4	12.	14.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/20/70-08/26/91	16 ##	0.5	0.625	2.	0.	0.25	0.5	0.	0.5	1.	1.3
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/13/77-01/19/93	9	45.	44.222	50.	37.	20.444	4.522	37.	40.5	48.5	50.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/20/70-08/26/91	16 ##	0.5	0.531	3.	0.	0.582	0.763	0.	0.	0.875	1.6
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/20/70-08/26/91	16 ##	0.25	0.813	5.	0.	2.729	1.652	0.	0.	0.5	5.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/20/70-01/19/93	16 ##	0.75	0.781	2.	0.	0.599	0.774	0.	0.	1.5	1.65
01040p	COPPER, DISSOLVED (UG/L AS CU)	04/01/66-08/26/91	16	2.	2.938	10.	0.	6.863	2.62	0.7	1.25	3.75	8.6
01046p	IRON, DISSOLVED (UG/L AS FE)	05/09/66-01/19/93	16	150.	168.313	640.	20.	24478.629	156.456	25.6	81.25	177.5	486.
01049p	LEAD, DISSOLVED (UG/L AS PB)	06/01/66-08/26/91	16 ##	0.75	1.281	7.	0.	3.699	1.923	0.	0.	2.125	4.9
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/01/66-01/19/93	16	5.	73.688	890.	0.	49074.363	221.527	2.1	4.	21.25	386.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-01/19/93	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
01065p	NICKEL, DISSOLVED (UG/L AS NI)	06/01/66-01/19/93	14	2.	3.107	17.	0.	19.391	4.404	0.	0.375	3.5	11.5
01075	SILVER, DISSOLVED (UG/L AS AG)	04/13/77-01/19/93	9 ##	0.5	0.778	4.	0.	1.507	1.228	0.	0.25	0.5	4.
01080p	STRONTIUM, DISSOLVED (UG/L AS SR)	04/01/66-01/19/93	13	100.	108.077	190.	66.	1244.41	35.276	67.6	83.	125.	178.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-01/19/93	6 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090p	ZINC, DISSOLVED (UG/L AS ZN)	04/01/66-08/26/91	16	10.	25.281	210.	0.	2603.266	51.022	0.	2.625	23.	98.
01106p	ALUMINUM, DISSOLVED (UG/L AS AL)	04/01/66-01/19/93	13	50.	53.846	200.	0.	2258.974	47.529	12.	30.	50.	152.
01130p	LITHIUM, DISSOLVED (UG/L AS LI)	04/01/66-01/19/93	13	5.	6.231	16.	0.	18.192	4.265	0.	5.	8.5	14.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/23/74-01/19/93	10 ##	0.5	0.55	1.	0.5	0.025	0.158	0.5	0.5	0.5	0.95
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	14	42.	70.571	230.	12.	4470.418	66.861	15.	36.	86.5	220.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	14	1.623	1.709	2.362	1.079	0.123	0.351	1.167	1.556	1.937	2.342
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			51.109								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	14	88.	408.571	2300.	20.	541842.725	736.1	20.	43.	330.	2100.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	14	1.943	2.086	3.362	1.301	0.436	0.661	1.301	1.623	2.48	3.32
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			122.03								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/60-01/19/93	16	102.5	102.813	134.	77.	216.296	14.707	81.2	92.75	109.75	129.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/31/60-02/01/83	26	93.	92.385	117.	45.	267.046	16.342	67.6	85.	103.5	114.3
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/11/60-09/28/82	26	705.	763.681	1490.	67.5	234518.402	484.271	112.16	363.	1235.	1470.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/11/60-02/01/83	26	0.13	0.13	0.18	0.06	0.001	0.026	0.094	0.12	0.15	0.163
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/05/60-07/27/92	19	87.	78.316	100.	12.	533.45	23.097	50.	62.	97.	99.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	04/26/74-09/21/81	12	3.05	3.15	5.4	1.9	0.919	0.959	1.9	2.6	3.35	5.07
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/70-08/26/91	14 ##	0.05	0.296	2.8	0.05	0.526	0.725	0.05	0.05	0.25	1.525
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/60-07/27/92	19	31.	38.684	133.	14.	788.228	28.075	15.	18.	55.	64.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/60-09/28/82	13	310.	377.846	1400.	15.	130564.474	361.337	18.6	110.5	462.	1091.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/60-03/08/93	44	12.25	12.977	22.	6.5	14.899	3.86	8.	10.	15.	18.25
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/72-07/27/92	37	4150.	6410.135	23600.	155.	34582084.009	5880.653	1758.	2495.	9055.	17160.
00065	STAGE, STREAM (FEET)	11/02/81-08/14/89	12	9.33	10.248	14.66	6.73	6.868	2.621	7.072	8.2	12.89	14.372
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/70-09/13/78	10	40.	36.	50.	20.	76.667	8.756	20.5	28.75	40.	49.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/31/78-01/19/93	22	27.	27.909	60.	3.4	176.635	13.29	9.62	20.	35.25	48.4
00080	COLOR (PLATINUM-COBALT UNITS)	01/01/68-07/28/81	15	100.	101.8	240.	22.	3168.6	56.29	26.8	70.	120.	204.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/59-03/08/93	42	145.	142.81	211.	67.	794.304	28.183	109.	125.75	159.25	179.5
00300p	OXYGEN, DISSOLVED MG/L	02/28/68-03/08/93	35	10.2	10.391	13.2	8.1	1.83	1.353	8.8	9.5	11.	12.8
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/28/68-02/01/83	20	99.5	98.95	119.	79.	118.787	10.899	83.3	90.25	107.75	112.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	02/28/68-03/08/93	35	1.3	1.326	2.8	0.	0.32	0.565	0.56	1.	1.7	2.
00400p	PH (STANDARD UNITS)	10/11/59-03/08/93	42	6.7	6.79	7.8	5.9	0.134	0.366	6.4	6.575	7.	7.37
00400p	CONVERTED PH (STANDARD UNITS)	10/11/59-03/08/93	42	6.7	6.652	7.8	5.9	0.154	0.392	6.4	6.575	7.	7.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/59-03/08/93	42	0.2	0.223	1.259	0.016	0.042	0.205	0.043	0.1	0.267	0.398
00403	PH, LAB, STANDARD UNITS SU	10/20/80-01/19/93	20	7.2	7.22	7.7	6.8	0.063	0.25	6.9	7.	7.3	7.68
00403	CONVERTED PH, LAB, STANDARD UNITS	10/20/80-01/19/93	20	7.2	7.156	7.7	6.8	0.067	0.259	6.9	7.	7.3	7.68
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/80-01/19/93	20	0.063	0.07	0.158	0.02	0.001	0.038	0.021	0.05	0.1	0.126
00405	CARBON DIOXIDE (MG/L AS CO2)	10/31/60-07/29/80	19	5.3	6.805	17.	0.7	21.721	4.661	1.8	3.2	9.2	14.
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/11/59-03/08/93	40	16.5	17.35	34.	10.	23.567	4.855	11.1	14.	21.	22.9
00440p	BICARBONATE ION (MG/L AS HCO3)	10/11/59-01/27/87	22	22.5	22.955	42.	13.	41.379	6.433	14.3	19.5	26.25	29.7
00445	CARBONATE ION (MG/L AS CO3)	07/01/62-01/27/87	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/20/70-07/28/81	15	65.	63.533	124.	15.	834.838	28.894	22.8	38.	79.	109.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/08/72-07/28/81	14	11.	13.786	35.	1.	118.027	10.864	1.	2.75	22.25	31.
00600	NITROGEN, TOTAL (MG/L AS N)	04/26/74-09/21/81	12	0.65	0.744	1.5	0.47	0.088	0.296	0.485	0.54	0.845	1.38
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/70-09/21/81	15	0.48	0.562	1.4	0.11	0.098	0.312	0.164	0.4	0.66	1.16
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/23/79-03/08/93	20	0.03	0.031	0.09	0.	0.001	0.023	0.006	0.013	0.038	0.078
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/17/69-07/27/92	28	0.03	0.041	0.09	0.	0.001	0.026	0.01	0.02	0.068	0.081
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-03/08/93	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/17/69-07/27/92	16	0.01	0.013	0.04	0.	0.	0.012	0.	0.005	0.02	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/69-05/27/81	16	0.06	0.073	0.2	0.01	0.002	0.047	0.017	0.04	0.1	0.144
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/26/74-03/08/93	29	0.67	0.682	1.5	0.4	0.052	0.228	0.42	0.515	0.8	1.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/26/74-07/27/92	15	0.05	0.056	0.16	0.01	0.002	0.039	0.01	0.025	0.07	0.124
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/23/79-03/08/93	20 ##	0.05	0.048	0.1	0.	0.	0.022	0.012	0.045	0.05	0.086
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/69-03/08/93	33	0.05	0.051	0.09	0.005	0.	0.019	0.03	0.04	0.065	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/26/77-03/08/93	22	0.03	0.035	0.09	0.01	0.	0.02	0.02	0.02	0.04	0.067
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/80-03/08/93	18	0.015	0.022	0.09	0.005	0.	0.021	0.005	0.01	0.03	0.054
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/18/72-09/21/81	10	10.9	11.23	20.	6.	21.898	4.68	6.04	6.475	15.25	19.6
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/11/59-02/01/83	24	30.	29.667	39.	16.	27.71	5.264	22.	28.	33.	37.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/11/59-02/01/83	24	11.	10.542	23.	3.	19.737	4.443	4.	8.	13.	16.
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	10/11/59-01/19/93	39	7.2	7.341	10.	4.6	1.448	1.203	5.8	6.6	8.1	9.2
00925p	MAGNESIUM, DISSOLVED (MG/L AS Mg)	10/11/59-01/19/93	39	2.6	2.59	3.7	1.1	0.369	0.608	1.7	2.3	3.	3.4
00930p	SODIUM, DISSOLVED (MG/L AS Na)	10/11/59-01/19/93	33	14.	14.415	28.	6.8	17.778	4.216	9.82	12.	17.5	19.6
00931	SODIUM ADSORPTION RATIO	10/11/59-02/01/83	24	1.2	1.229	2.	0.7	0.118	0.343	0.75	1.	1.375	1.75
00932	SODIUM, PERCENT	10/11/59-02/01/83	18	49.	48.778	57.	40.	25.477	5.047	40.9	45.	52.5	56.1
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/01/69-02/26/80	7	16.	16.286	20.	13.	6.571	2.563	**	**	**	**
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/60-01/19/93	32	2.8	2.775	3.5	1.8	0.171	0.413	2.23	2.5	3.1	3.37
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/11/59-01/19/93	39	18.	18.718	34.	7.	24.734	4.973	12.	16.	21.	25.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/11/59-01/19/93	39	17.	18.359	30.	8.	33.236	5.765	11.	14.	23.	27.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/11/59-01/19/93	34 ##	0.05	0.085	0.3	0.	0.004	0.065	0.05	0.05	0.1	0.15
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/11/59-01/19/93	39	12.	11.846	19.	7.1	4.569	2.138	9.4	11.	13.	14.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/20/70-08/26/91	13	1.	0.731	1.	0.	0.109	0.33	0.2	0.5	1.	1.
01005	BARIUM, DISSOLVED (UG/L AS Ba)	04/13/77-01/19/93	14	44.5	43.786	51.	37.	26.489	5.147	37.	39.5	50.	50.5
01025	CADMIUM, DISSOLVED (UG/L AS Cd)	10/20/70-08/26/91	13 ##	0.5	2.038	18.	0.	23.394	4.837	0.	0.5	1.5	11.6
01030	CHROMIUM, DISSOLVED (UG/L AS Cr)	10/20/70-08/26/91	13 ##	0.5	1.5	10.	0.	8.208	2.865	0.	0.25	0.75	8.
01035	COBALT, DISSOLVED (UG/L AS Co)	10/20/70-01/19/93	15 ##	1.5	1.267	1.5	0.	0.281	0.53	0.	1.5	1.5	1.5
01040p	COPPER, DISSOLVED (UG/L AS Cu)	04/01/66-08/26/91	13	3.	2.846	6.	0.	3.141	1.772	0.	1.5	4.	5.6
01046p	IRON, DISSOLVED (UG/L AS Fe)	05/09/66-01/19/93	15	250.	262.467	480.	67.	19932.695	141.183	68.8	130.	420.	462.
01049p	LEAD, DISSOLVED (UG/L AS Pb)	06/01/66-08/26/91	13	2.	4.308	28.	0.	59.314	7.702	0.	0.5	3.75	21.2
01056p	MANGANESE, DISSOLVED (UG/L AS Mn)	04/01/66-01/19/93	15	23.	38.8	190.	5.	2101.6	45.843	8.	15.	45.	123.4
01060	MOLYBDENUM, DISSOLVED (UG/L AS Mo)	11/16/82-01/19/93	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065p	NICKEL, DISSOLVED (UG/L AS Ni)	06/01/66-01/19/93	13	2.	1.885	4.	0.	1.173	1.083	0.2	1.	2.5	3.6
01075	SILVER, DISSOLVED (UG/L AS Ag)	04/13/77-01/19/93	14 ##	0.5	0.393	0.5	0.	0.045	0.213	0.	0.375	0.5	0.5
01080p	STRONTIUM, DISSOLVED (UG/L AS Sr)	04/01/66-01/19/93	11	76.	83.364	140.	67.	428.855	20.709	67.4	70.	91.	130.4
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-01/19/93	10 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090p	ZINC, DISSOLVED (UG/L AS Zn)	04/01/66-08/26/91	13	7.	12.5	47.	0.	181.667	13.478	0.6	4.	16.5	41.4
01106p	ALUMINUM, DISSOLVED (UG/L AS Al)	04/01/66-01/19/93	11	70.	147.273	540.	10.	29481.818	171.703	14.	40.	160.	514.
01130p	LITHIUM, DISSOLVED (UG/L AS Li)	04/01/66-01/19/93	11	7.	5.818	10.	2.	6.164	2.483	2.	4.	7.	9.6
01145	SELENIUM, DISSOLVED (UG/L AS Se)	10/23/74-01/19/93	15 ##	0.5	0.533	1.	0.	0.052	0.229	0.3	0.5	0.5	1.
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	26	48.	115.385	980.	4.	37399.606	193.39	14.8	32.5	103.5	276.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	26	1.681	1.764	2.991	0.602	0.247	0.497	1.167	1.51	2.002	2.441
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			58.01								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	26	96.	186.692	780.	14.	49504.942	222.497	18.2	45.5	227.5	610.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	26	1.978	1.996	2.892	1.146	0.26	0.51	1.255	1.656	2.342	2.781
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			99.051								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/60-01/19/93	29	107.	103.897	137.	73.	190.739	13.811	81.	94.5	112.	122.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/31/60-02/01/83	24	88.5	87.208	129.	42.	328.085	18.113	61.	77.	101.75	105.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/11/60-09/28/82	23	1060.	1375.013	3880.	51.1	1276895.529	1129.998	99.52	471.	2310.	3218.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/11/60-02/01/83	24	0.14	0.132	0.18	0.06	0.001	0.029	0.085	0.12	0.15	0.17
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/05/60-07/27/92	32	69.5	68.813	96.	32.	456.48	21.365	39.3	51.5	90.75	95.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	04/26/74-09/21/81	12	2.85	3.308	6.7	2.1	1.799	1.341	2.16	2.35	3.75	6.19
71890	MERCURY, DISSOLVED (UG/L AS Hg)	10/20/70-08/26/91	13 ##	0.05	0.077	0.25	0.	0.005	0.07	0.02	0.05	0.075	0.23
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/60-07/27/92	32	46.	55.25	160.	11.	1323.032	36.374	18.3	26.25	80.75	99.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/60-09/28/82	17	537.	1176.588	6560.	17.	3382787.632	1839.236	17.8	174.	1018.5	5232.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	73	18.	18.475	27.	6.	24.26	4.925	12.	15.5	23.5	25.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	59	11000.	11462.593	38100.	643.	57274724.004	7568.007	2290.	4840.	17400.	21100.
00065	STAGE, STREAM (FEET)	18	13.065	12.181	16.63	6.82	11.555	3.399	7.504	8.885	14.848	16.351
00070	TURBIDITY, (JACKSON CANDLE UNITS)	22	35.	43.409	150.	20.	705.682	26.565	21.5	30.	50.	60.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	34	22.5	23.888	56.	3.2	81.007	9.	15.5	18.	28.5	33.
00080	COLOR (PLATINUM-COBALT UNITS)	30	100.	104.333	240.	35.	2523.678	50.236	50.	60.	132.5	178.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	73	157.	155.877	224.	76.	1221.804	34.954	109.6	136.	176.	204.2
00300p	OXYGEN, DISSOLVED MG/L	64	8.8	8.845	11.8	6.2	1.908	1.381	7.	7.825	9.95	10.95
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	40	92.5	90.605	113.	11.2	275.687	16.604	77.1	85.25	100.75	106.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	64	1.5	1.475	2.6	0.1	0.258	0.508	0.95	1.2	1.8	2.1
00400p	PH (STANDARD UNITS)	73	6.8	6.795	7.6	6.2	0.098	0.314	6.4	6.55	7.	7.16
00400p	CONVERTED PH (STANDARD UNITS)	73	6.8	6.698	7.6	6.2	0.108	0.328	6.4	6.55	7.	7.16
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	73	0.158	0.201	0.631	0.025	0.017	0.129	0.07	0.1	0.284	0.398
00403	PH, LAB, STANDARD UNITS SU	29	7.2	7.248	8.5	5.3	0.27	0.52	6.7	7.15	7.5	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	29	7.2	6.631	8.5	5.3	0.666	0.816	6.7	7.15	7.5	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	29	0.063	0.234	5.012	0.003	0.847	0.92	0.02	0.032	0.071	0.2
00405	CARBON DIOXIDE (MG/L AS CO2)	34	5.2	6.844	18.	0.8	20.418	4.519	2.5	4.25	8.375	15.5
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	66	17.	17.318	28.	6.	15.851	3.981	12.7	15.	20.25	23.
00440p	BICARBONATE ION (MG/L AS HCO3)	38	21.	22.526	50.	11.	50.04	7.074	14.	18.	26.5	29.1
00445	CARBONATE ION (MG/L AS CO3)	37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	30	53.5	59.333	110.	14.	714.989	26.739	25.2	41.25	75.5	109.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	28	14.5	17.179	39.	0.	131.485	11.467	3.6	8.25	27.5	34.3
00600	NITROGEN, TOTAL (MG/L AS N)	22	0.695	0.779	1.5	0.38	0.076	0.275	0.455	0.635	0.933	1.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	30	0.59	0.581	1.4	0.17	0.081	0.285	0.212	0.353	0.698	0.999
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	32	0.03	0.054	0.28	0.005	0.003	0.057	0.01	0.02	0.07	0.134
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	49	0.03	0.041	0.13	0.	0.001	0.035	0.005	0.01	0.06	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	18 ##	0.005	0.007	0.03	0.005	0.	0.006	0.005	0.005	0.005	0.012
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	34	0.005	0.009	0.03	0.	0.	0.009	0.	0.005	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	33	0.08	0.082	0.2	0.	0.004	0.065	0.	0.025	0.115	0.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	49	0.63	0.719	2.1	0.29	0.111	0.333	0.4	0.5	0.835	1.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	27	0.05	0.059	0.15	0.	0.002	0.044	0.008	0.02	0.09	0.14
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	32 ##	0.05	0.051	0.1	0.	0.001	0.025	0.022	0.05	0.05	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	59	0.05	0.058	0.12	0.01	0.001	0.022	0.03	0.04	0.07	0.09
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	39	0.03	0.033	0.1	0.01	0.001	0.024	0.01	0.02	0.04	0.09
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	27	0.01	0.016	0.06	0.005	0.	0.013	0.005	0.005	0.02	0.032
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	21	8.2	9.79	20.	3.2	15.67	3.959	3.94	7.3	12.	14.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	44	31.	31.364	45.	17.	44.934	6.703	20.5	28.	37.	40.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	44	13.	13.455	24.	0.	31.323	5.597	6.5	9.25	16.	22.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	66	7.5	7.579	13.	3.	2.594	1.611	5.78	6.7	8.35	9.7
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	66	2.9	2.906	4.3	1.	0.434	0.659	2.	2.6	3.4	3.7
00930p	SODIUM, DISSOLVED (MG/L AS NA)	53	16.	15.564	25.	5.9	15.807	3.976	9.7	13.	18.	20.6
00931	SODIUM ADSORPTION RATIO	41	1.3	1.22	1.8	0.6	0.073	0.269	0.82	1.05	1.35	1.6
00932	SODIUM, PERCENT	31	50.	48.613	57.	25.	35.045	5.92	43.	46.	52.	54.8
00933	SODIUM,PLUS POTASSIUM (MG/L)	15	17.	15.913	25.	7.7	23.841	4.883	9.08	11.	18.	23.8
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	52	2.65	2.7	3.7	1.	0.22	0.469	2.23	2.5	2.975	3.3
00940p	CHLORIDE,TOTAL IN WATER MG/L	67	20.	20.104	36.	8.	32.731	5.721	13.	16.	23.	27.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	66	20.	19.985	32.	9.	26.784	5.175	14.	16.	23.25	27.3
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	60	0.1	0.081	0.2	0.	0.003	0.051	0.005	0.05	0.1	0.19
00955p	SILICA, DISSOLVED (MG/L AS SI02)	66	9.35	9.192	14.	0.	5.871	2.423	6.4	7.775	11.	12.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	24 ##	0.5	0.604	2.	0.	0.173	0.416	0.	0.5	0.875	1.
01005	BARIUM, DISSOLVED (UG/L AS BA)	19	47.	45.632	54.	31.	34.246	5.852	36.	41.	50.	51.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	24 ##	0.5	0.729	3.	0.	0.521	0.722	0.	0.5	1.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	24 ##	0.5	0.938	10.	0.	4.898	2.213	0.	0.	0.5	3.75
01035	COBALT, DISSOLVED (UG/L AS CO)	25 ##	1.5	1.2	3.	0.	0.583	0.764	0.	0.5	1.5	1.7
01040p	COPPER, DISSOLVED (UG/L AS CU)	24	3.	3.917	14.	0.	10.167	3.189	0.5	1.25	5.	8.5
01046p	IRON, DISSOLVED (UG/L AS FE)	25	210.	210.2	530.	5.	12538.5	111.975	64.	140.	255.	360.
01049p	LEAD, DISSOLVED (UG/L AS PB)	22	2.5	2.614	19.	0.	15.617	3.952	0.	0.375	3.	4.7
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	25	40.	37.2	80.	3.	429.083	20.714	9.2	20.	54.	64.2
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01065p	NICKEL, DISSOLVED (UG/L AS NI)	06/01/66-01/19/93	21	3.	3.905	9.	1.	5.59	2.364	1.	2.	5.5	7.8
01075	SILVER, DISSOLVED (UG/L AS AG)	04/13/77-01/19/93	19 ##	0.5	0.342	0.5	0.	0.057	0.239	0.	0.	0.5	0.5
01080p	STRONTIUM, DISSOLVED (UG/L AS SR)	04/01/66-01/19/93	18	87.5	92.556	170.	47.	995.673	31.554	47.9	73.75	105.	152.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-01/19/93	12 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090p	ZINC, DISSOLVED (UG/L AS ZN)	04/01/66-08/26/91	23	15.	23.	100.	1.5	557.25	23.606	2.1	10.	31.	62.
01106p	ALUMINUM, DISSOLVED (UG/L AS AL)	04/01/66-01/19/93	17	70.	87.353	220.	5.	3844.118	62.001	25.	40.	130.	212.
01130p	LITHIUM, DISSOLVED (UG/L AS LI)	04/01/66-01/19/93	18	5.5	6.556	11.	2.	7.556	2.749	2.	5.	10.	10.1
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/23/74-01/19/93	20 ##	0.5	0.5	2.	0.	0.158	0.397	0.	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	44	50.	198.409	4100.	2.	403050.526	634.863	20.	32.	98.	250.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	44	1.696	1.777	3.613	0.301	0.298	0.546	1.301	1.505	1.991	2.385
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			59.818								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	44	112.	169.364	800.	14.	35831.586	189.292	36.	47.	190.	450.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	44	2.049	2.034	2.903	1.146	0.166	0.407	1.556	1.67	2.279	2.651
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			108.104								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/60-01/19/93	45	104.	103.822	139.	69.	273.786	16.546	80.6	93.	115.5	127.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/31/60-02/01/83	43	91.	88.233	120.	46.	371.373	19.271	61.4	73.	103.	113.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/11/60-09/28/82	42	2185.	2405.998	5630.	170.	2647104.161	1626.992	498.7	758.5	3652.5	4849.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/11/60-02/01/83	43	0.13	0.133	0.19	0.06	0.001	0.032	0.09	0.11	0.16	0.17
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/05/60-07/27/92	50	81.5	77.62	98.	17.	392.934	19.823	52.2	66.75	94.25	97.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	04/26/74-09/21/81	22	3.05	3.455	6.8	1.7	1.566	1.252	1.99	2.775	4.1	5.47
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/20/70-08/26/91	22 ##	0.05	0.107	0.5	0.	0.014	0.12	0.015	0.05	0.138	0.25
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/60-07/27/92	50	34.5	48.04	190.	14.	1423.672	37.732	18.1	24.	56.5	105.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/60-09/28/82	26	1175.	1180.308	2410.	42.	471126.942	686.387	204.4	568.25	1717.5	2236.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/60-03/08/93	33	29.	28.258	32.	22.	4.596	2.144	24.6	27.	29.5	30.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/72-07/27/92	26	3920.	8134.615	30100.	2600.	66257809.846	8139.89	2802.	3317.5	9950.	22960.
00065	STAGE, STREAM (FEET)	11/02/81-08/14/89	11	9.35	11.044	18.21	8.59	10.868	3.297	8.592	8.68	12.56	17.772
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/20/70-09/13/78	9	30.	32.778	50.	20.	88.194	9.391	20.	25.	40.	50.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/31/78-01/19/93	16	26.	26.175	41.	1.8	84.543	9.195	11.74	22.25	32.	38.2
00080	COLOR (PLATINUM-COBALT UNITS)	01/01/68-07/28/81	11	80.	86.364	160.	30.	2240.455	47.333	30.	35.	120.	156.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/59-03/08/93	32	147.	144.375	206.	67.	855.081	29.242	104.9	131.5	160.75	177.
00300p	OXYGEN, DISSOLVED MG/L	02/28/68-03/08/93	30	6.9	6.98	8.6	4.7	0.56	0.748	6.3	6.6	7.425	7.89
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/28/68-02/01/83	15	90.	91.933	113.	75.	85.21	9.231	78.6	88.	97.	107.
00310p	BOD, 5 DAY, 20 DEG C MG/L	02/28/68-03/08/93	30	1.35	1.387	4.1	0.2	0.497	0.705	0.61	0.975	1.5	2.19
00400p	PH (STANDARD UNITS)	10/11/59-03/08/93	33	6.7	6.761	8.2	6.	0.178	0.422	6.04	6.6	7.	7.16
00400p	CONVERTED PH (STANDARD UNITS)	10/11/59-03/08/93	33	6.7	6.58	8.2	6.	0.212	0.46	6.04	6.6	7.	7.16
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/59-03/08/93	33	0.2	0.263	1.	0.006	0.076	0.275	0.07	0.1	0.251	0.918
00403	PH, LAB, STANDARD UNITS SU	10/20/80-01/19/93	16	7.4	7.45	8.3	6.9	0.139	0.372	7.04	7.2	7.5	8.16
00403	CONVERTED PH, LAB, STANDARD UNITS	10/20/80-01/19/93	16	7.4	7.333	8.3	6.9	0.153	0.391	7.04	7.2	7.5	8.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/80-01/19/93	16	0.04	0.046	0.126	0.005	0.001	0.031	0.007	0.032	0.063	0.093
00405	CARBON DIOXIDE (MG/L AS CO2)	10/31/60-07/29/80	10	13.	15.99	48.	3.6	203.414	14.262	3.63	4.275	22.25	46.4
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/11/59-03/08/93	29	19.	20.138	30.	12.	16.98	4.121	16.	17.5	23.	26.
00440p	BICARBONATE ION (MG/L AS HCO3)	10/11/59-01/27/87	13	25.	25.538	35.	15.	34.769	5.897	16.6	21.	31.	33.8
00445	CARBONATE ION (MG/L AS CO3)	07/01/62-01/27/87	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/20/70-07/28/81	11	52.	63.727	114.	38.	846.618	29.097	38.2	41.	94.	114.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/08/72-07/28/81	10	14.	16.	34.	1.	111.333	10.551	1.6	7.	24.75	33.3
00600	NITROGEN, TOTAL (MG/L AS N)	04/26/74-09/21/81	8	0.78	0.884	1.8	0.57	0.149	0.386	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/20/70-09/21/81	10	0.67	0.626	1.3	0.19	0.104	0.323	0.195	0.308	0.773	1.248
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/23/79-03/08/93	17	0.04	0.054	0.26	0.	0.004	0.06	0.004	0.02	0.06	0.14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/17/69-07/27/92	21	0.05	0.06	0.32	0.005	0.004	0.065	0.012	0.02	0.07	0.098
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-03/08/93	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.006	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/17/69-07/27/92	13	0.006	0.012	0.04	0.	0.	0.013	0.	0.005	0.02	0.036

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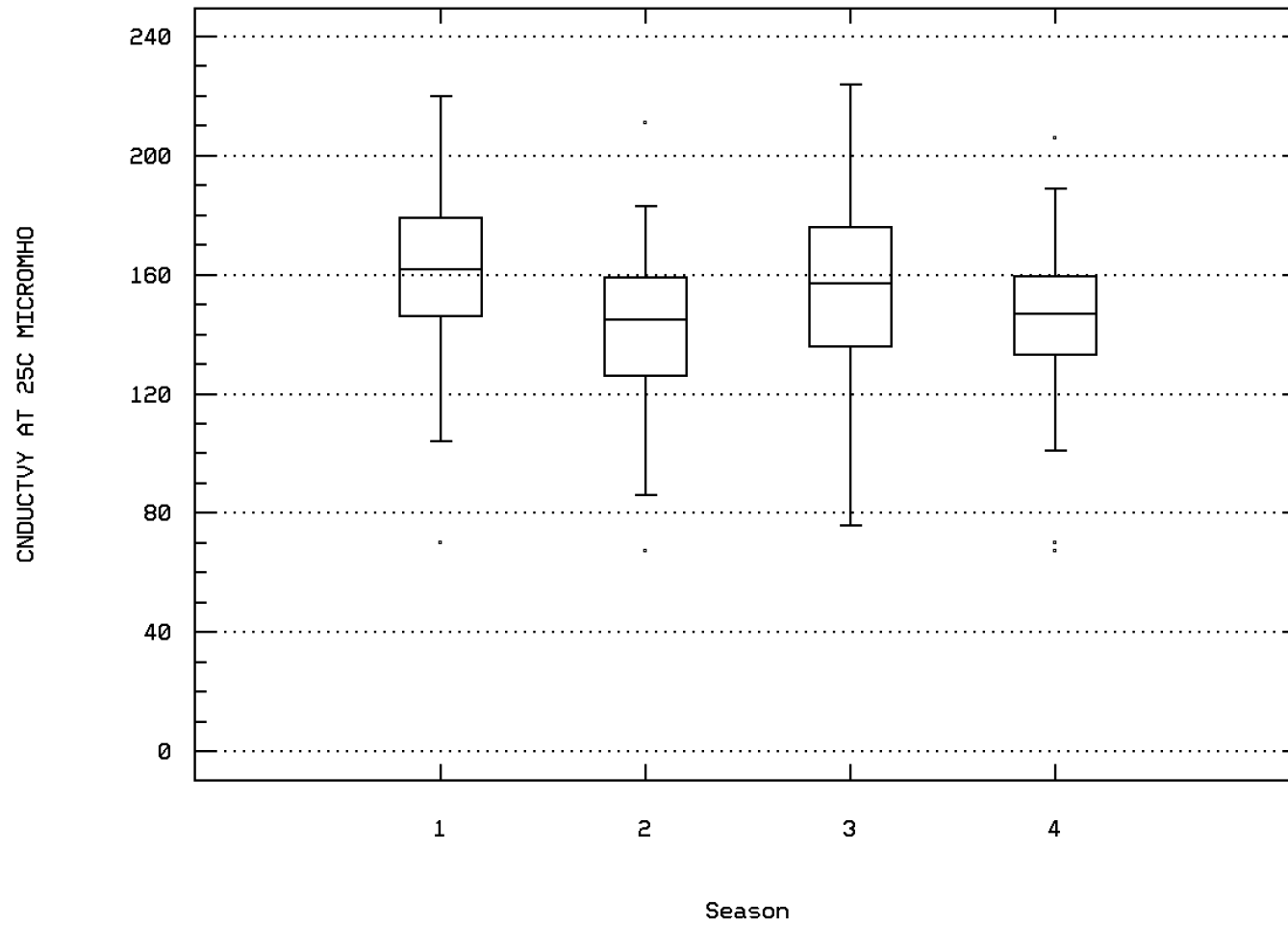
Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/69-05/27/81	12	0.045	0.05	0.11	0.	0.002	0.04	0.	0.01	0.093	0.107
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/26/74-03/08/93	23	0.69	0.845	3.	0.4	0.317	0.563	0.44	0.5	0.84	1.56
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/26/74-07/27/92	11	0.05	0.058	0.18	0.	0.003	0.051	0.002	0.025	0.08	0.166
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/23/79-03/08/93	17 ##	0.05	0.063	0.3	0.	0.004	0.064	0.02	0.05	0.05	0.14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/07/69-03/08/93	27	0.056	0.062	0.18	0.02	0.001	0.033	0.03	0.04	0.07	0.102
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/26/77-03/08/93	17	0.03	0.036	0.11	0.005	0.001	0.034	0.005	0.01	0.05	0.11
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/80-03/08/93	15	0.02	0.022	0.1	0.005	0.001	0.024	0.005	0.01	0.03	0.064
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/18/72-09/21/81	7	7.3	8.7	18.	4.9	18.3	4.278	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/11/59-02/01/83	15	32.	31.6	38.	17.	26.543	5.152	23.6	30.	35.	38.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/11/59-02/01/83	15	11.	10.333	14.	5.	9.952	3.155	5.	8.	13.	14.
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	10/11/59-01/19/93	29	7.5	7.593	10.	4.7	1.169	1.081	6.4	6.95	8.15	9.
00925p	MAGNESIUM, DISSOLVED (MG/L AS Mg)	10/11/59-01/19/93	29	3.	2.845	3.8	1.3	0.353	0.594	1.7	2.6	3.2	3.5
00930p	SODIUM, DISSOLVED (MG/L AS Na)	10/11/59-01/19/93	23	14.	13.974	20.	5.4	8.725	2.954	11.	13.	15.	18.2
00931	SODIUM ADSORPTION RATIO	10/11/59-02/01/83	15	1.1	1.133	2.1	0.5	0.137	0.37	0.62	1.	1.3	1.8
00932	SODIUM, PERCENT	10/11/59-02/01/83	11	48.	49.091	65.	42.	46.491	6.818	42.2	44.	51.	63.4
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/01/69-02/26/80	6	15.	14.683	27.	4.5	62.322	7.894	**	**	**	**
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/60-01/19/93	23	2.6	2.617	3.	2.3	0.059	0.242	2.3	2.4	2.9	3.
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/11/59-01/19/93	29	18.	17.724	32.	6.	28.278	5.318	9.	15.	20.5	24.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/11/59-01/19/93	29	18.	17.138	25.	5.	25.123	5.012	7.	15.	21.	23.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/11/59-01/19/93	26 ##	0.05	0.09	0.4	0.	0.006	0.077	0.05	0.05	0.1	0.2
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/11/59-01/19/93	29	9.5	9.297	14.	5.3	3.69	1.921	6.5	8.	10.5	11.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/20/70-08/26/91	16	0.75	0.813	2.	0.	0.329	0.574	0.	0.5	1.	2.
01005	BARIUM, DISSOLVED (UG/L AS Ba)	04/13/77-01/19/93	14	42.	43.571	50.	38.	14.725	3.837	39.	40.75	47.25	49.5
01025	CADMIUM, DISSOLVED (UG/L AS Cd)	10/20/70-08/26/91	16 ##	0.5	0.438	1.	0.	0.096	0.31	0.	0.125	0.5	1.
01030	CHROMIUM, DISSOLVED (UG/L AS Cr)	10/20/70-08/26/91	16 ##	0.5	0.688	5.	0.	1.429	1.195	0.	0.	0.5	2.2
01035	COBALT, DISSOLVED (UG/L AS Co)	10/20/70-01/19/93	18 ##	1.5	1.111	1.5	0.	0.428	0.654	0.	0.375	1.5	1.5
01040p	COPPER, DISSOLVED (UG/L AS Cu)	04/01/66-08/26/91	16	3.	4.313	17.	1.	22.096	4.701	1.	2.	3.75	14.9
01046p	IRON, DISSOLVED (UG/L AS Fe)	05/09/66-01/19/93	18	215.	233.056	920.	11.	42403.114	205.92	46.1	74.5	282.5	470.
01049p	LEAD, DISSOLVED (UG/L AS Pb)	06/01/66-08/26/91	16 ##	1.5	2.125	7.	0.	4.517	2.125	0.	0.5	3.625	5.6
01056p	MANGANESE, DISSOLVED (UG/L AS Mn)	04/01/66-01/19/93	18	8.5	26.222	83.	0.	984.889	31.383	0.9	3.75	64.5	80.3
01060	MOLYBDENUM, DISSOLVED (UG/L AS Mo)	11/16/82-01/19/93	12 ##	5.	5.417	10.	5.	2.083	1.443	5.	5.	5.	8.5
01065p	NICKEL, DISSOLVED (UG/L AS Ni)	06/01/66-01/19/93	18	1.5	1.667	4.	0.	1.971	1.404	0.	0.375	3.	4.
01075	SILVER, DISSOLVED (UG/L AS Ag)	04/13/77-01/19/93	14 ##	0.5	0.571	2.	0.	0.187	0.432	0.25	0.5	0.5	1.25
01080p	STRONTIUM, DISSOLVED (UG/L AS Sr)	04/01/66-01/19/93	16	86.5	107.	320.	61.	3923.2	62.635	65.9	79.5	99.	208.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-01/19/93	12 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090p	ZINC, DISSOLVED (UG/L AS Zn)	04/01/66-08/26/91	16	14.	29.875	240.	0.	3311.85	57.549	2.8	5.75	22.75	107.
01106p	ALUMINUM, DISSOLVED (UG/L AS Al)	04/01/66-01/19/93	16	45.	78.75	400.	10.	9185.	95.838	17.	40.	77.5	253.
01130p	LITHIUM, DISSOLVED (UG/L AS Li)	04/01/66-01/19/93	16	5.	5.313	20.	0.	19.963	4.468	1.4	2.	6.	11.6
01145	SELENIUM, DISSOLVED (UG/L AS Se)	10/23/74-01/19/93	15 ##	0.5	0.567	2.	0.	0.174	0.417	0.3	0.5	0.5	1.1
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	18	49.	51.778	96.	12.	701.595	26.488	19.2	27.	80.	92.4
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/08/76-03/08/93	18	1.69	1.648	1.982	1.079	0.07	0.264	1.279	1.43	1.903	1.966
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			44.446								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	18	190.	216.222	650.	30.	34511.007	185.771	31.8	77.	240.	605.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/08/76-03/08/93	18	2.276	2.176	2.813	1.477	0.164	0.405	1.502	1.88	2.38	2.782
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			149.806								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/11/60-01/19/93	20	97.5	98.7	126.	77.	165.8	12.876	82.1	89.	108.5	117.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/31/60-02/01/83	15	84.	84.533	111.	35.	334.124	18.279	51.8	79.	95.	108.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/11/60-09/28/82	15	907.	1489.415	4220.	9.23	1623992.619	1274.36	137.492	734.	2650.	3812.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/11/60-02/01/83	15	0.13	0.125	0.17	0.05	0.001	0.031	0.074	0.11	0.15	0.164
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/05/60-07/27/92	20	82.	78.35	99.	37.	371.292	19.269	46.7	63.5	96.	97.8
71887	NITROGEN, TOTAL, AS NO3 - MG/L	04/26/74-09/21/81	8	3.45	3.9	7.9	2.5	2.857	1.69	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS Hg)	10/20/70-08/26/91	16 ##	0.05	0.175	0.7	0.05	0.033	0.183	0.05	0.05	0.25	0.49
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/05/60-07/27/92	20	41.	47.85	98.	13.	583.924	24.165	25.1	29.5	61.25	88.6
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/05/60-09/28/82	6	691.5	624.	765.	251.	39538.4	198.843	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: BITH0033 Parameter Code: 00095

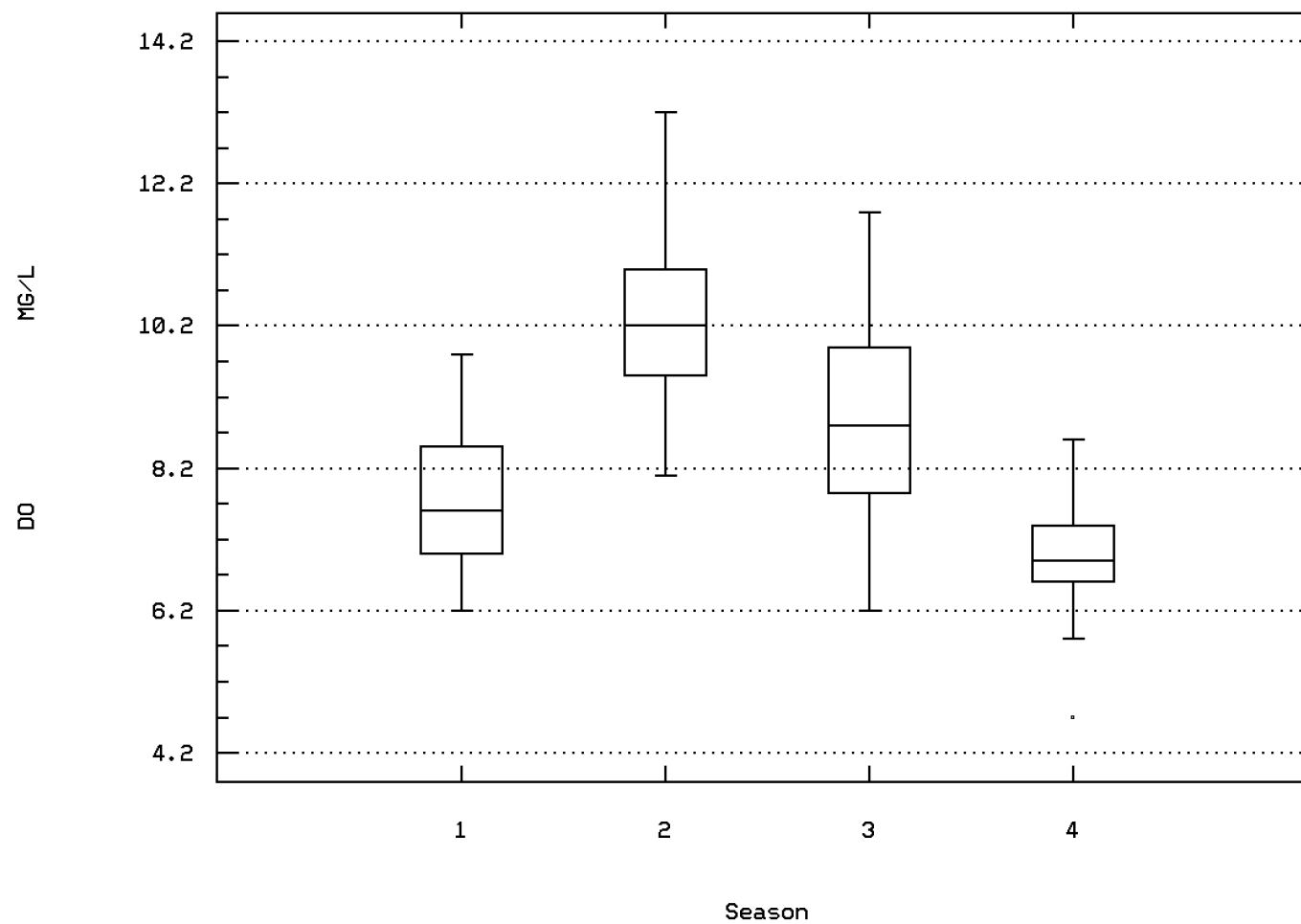
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00300

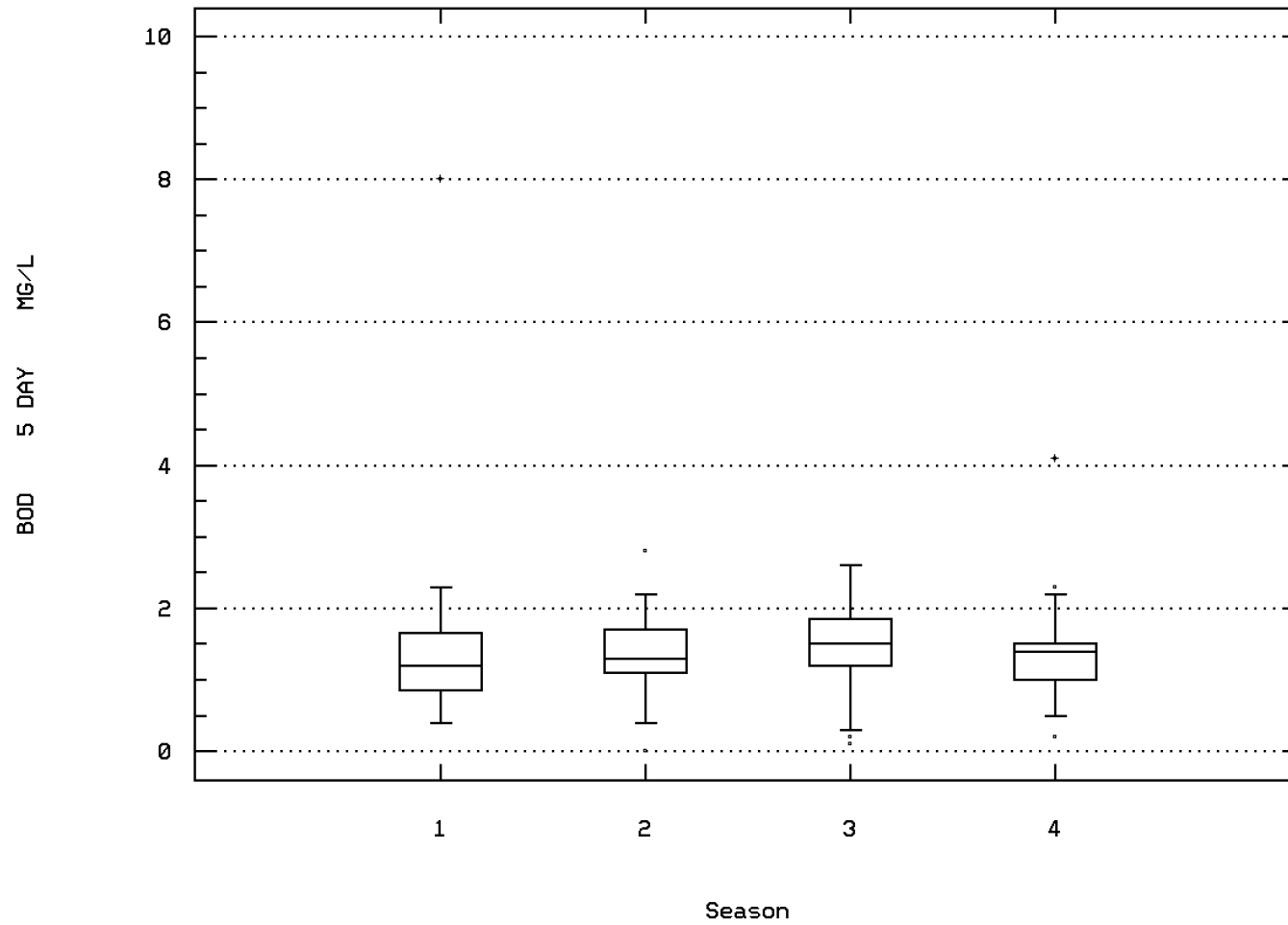
OXYGEN, DISSOLVED



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00310

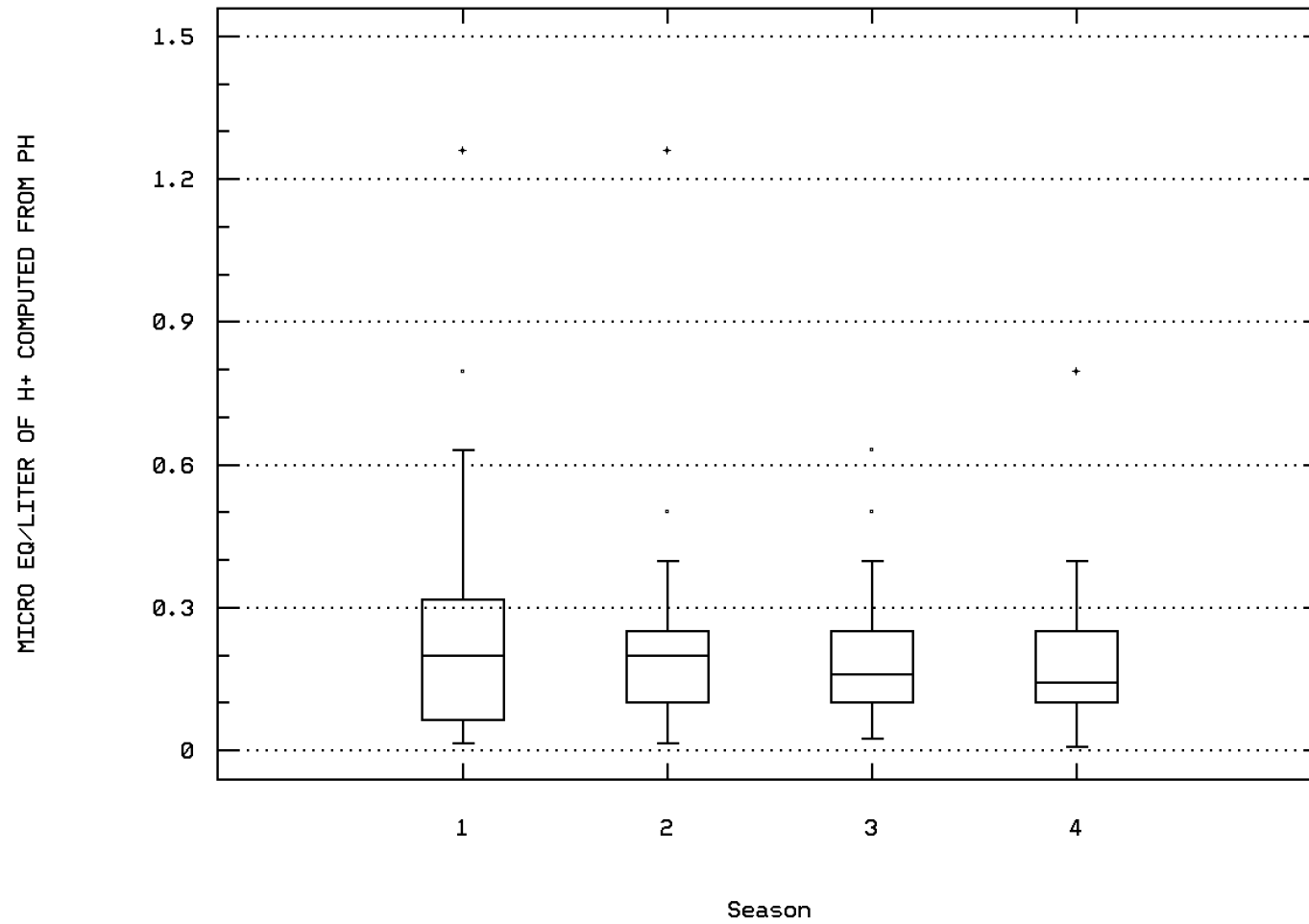
BOD, 5 DAY, 20 DEG C



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00400

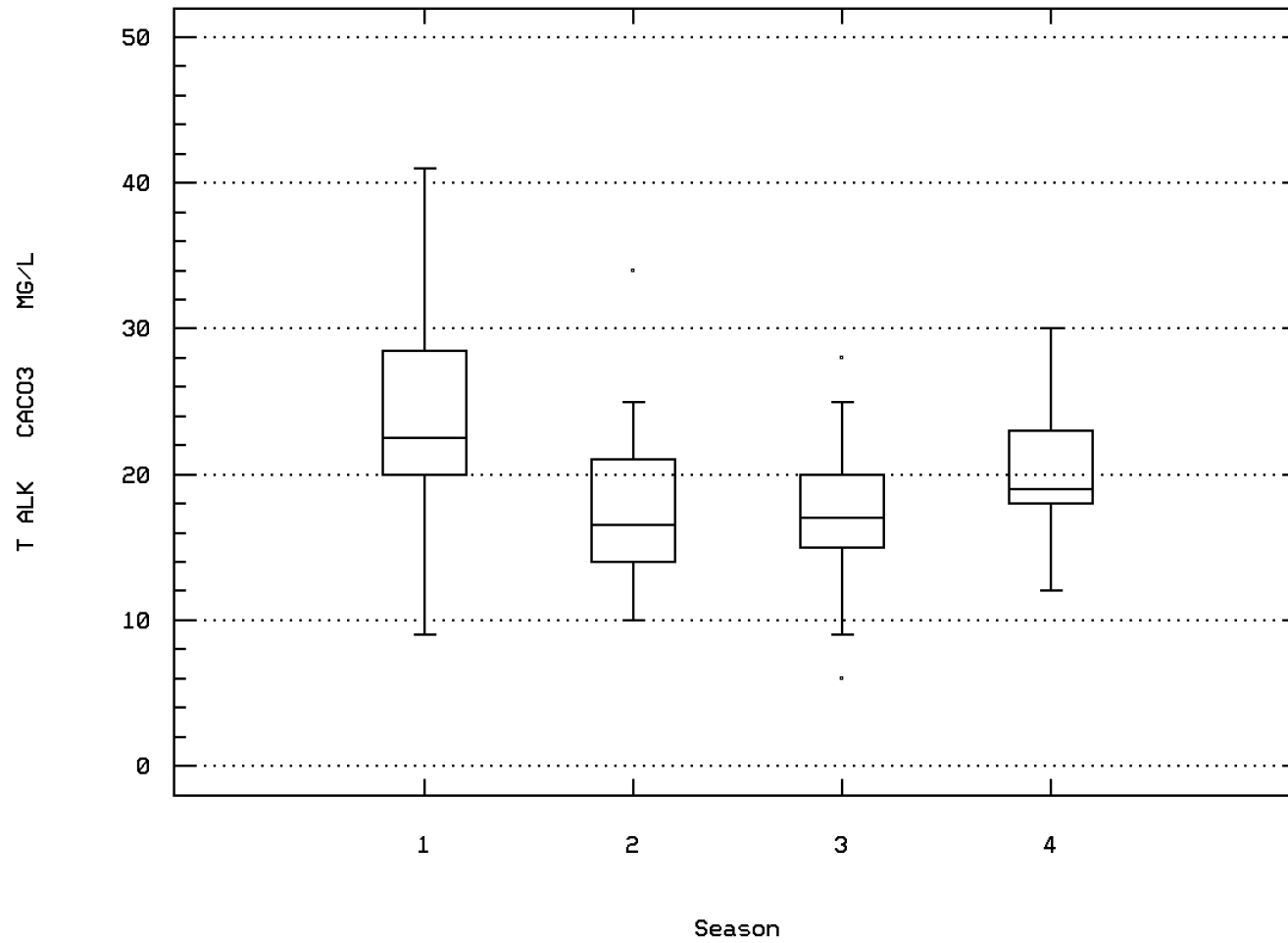
MICRO EQ/LITER OF H+ COMPUTED FROM PH



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00410

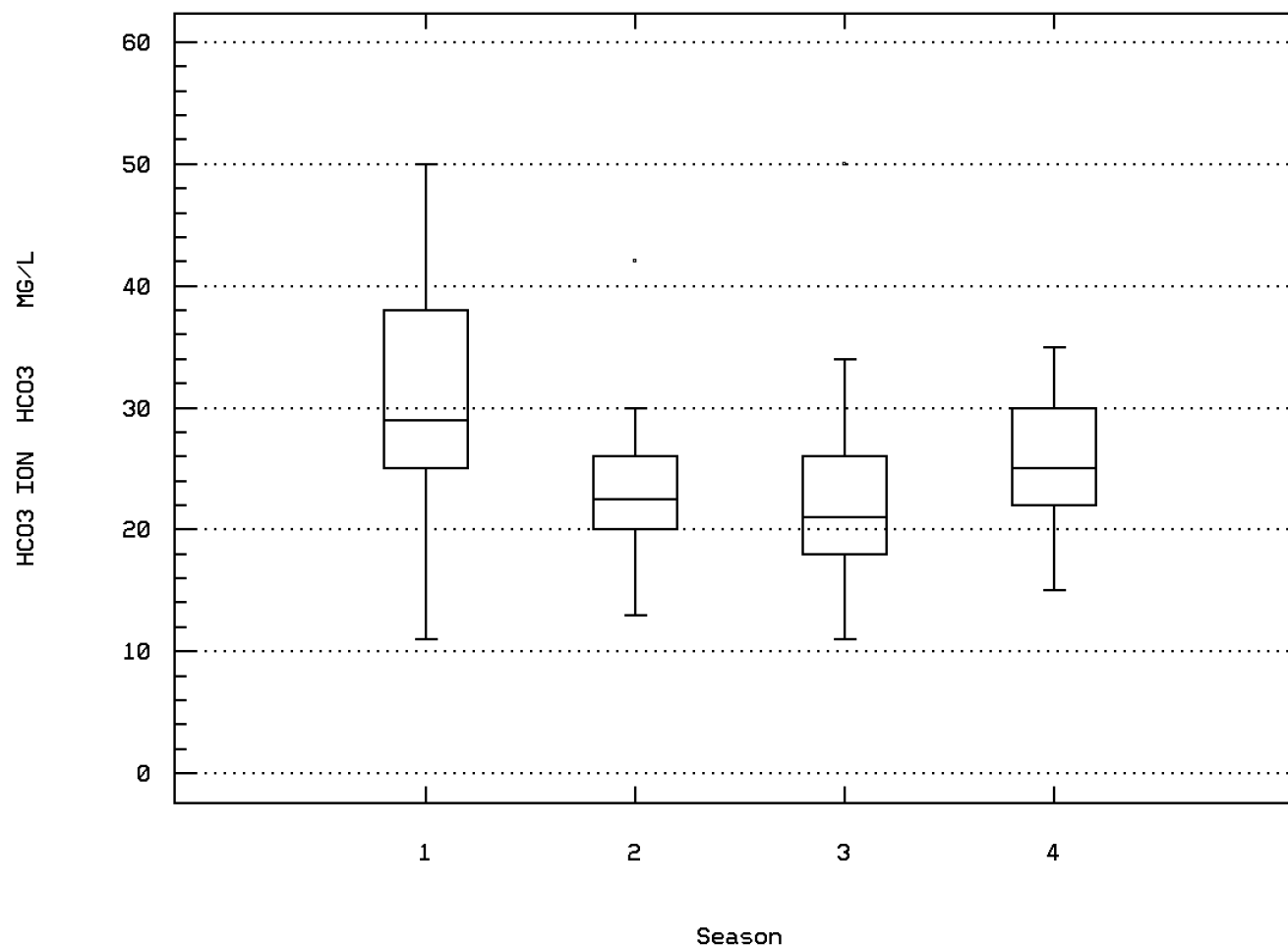
ALKALINITY, TOTAL (MG/L AS CaCO3)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00440

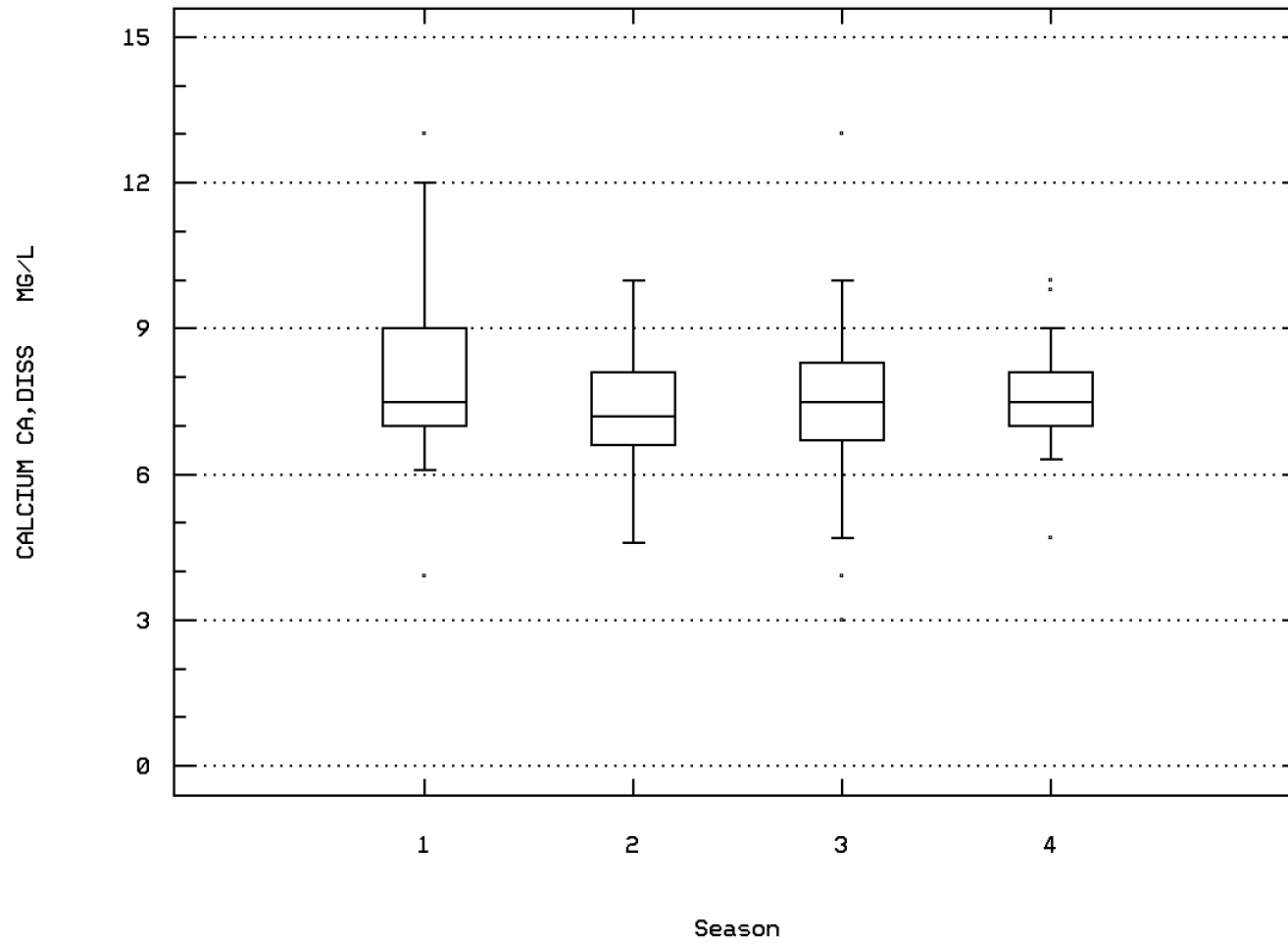
BICARBONATE ION (MG/L AS HCO₃)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00915

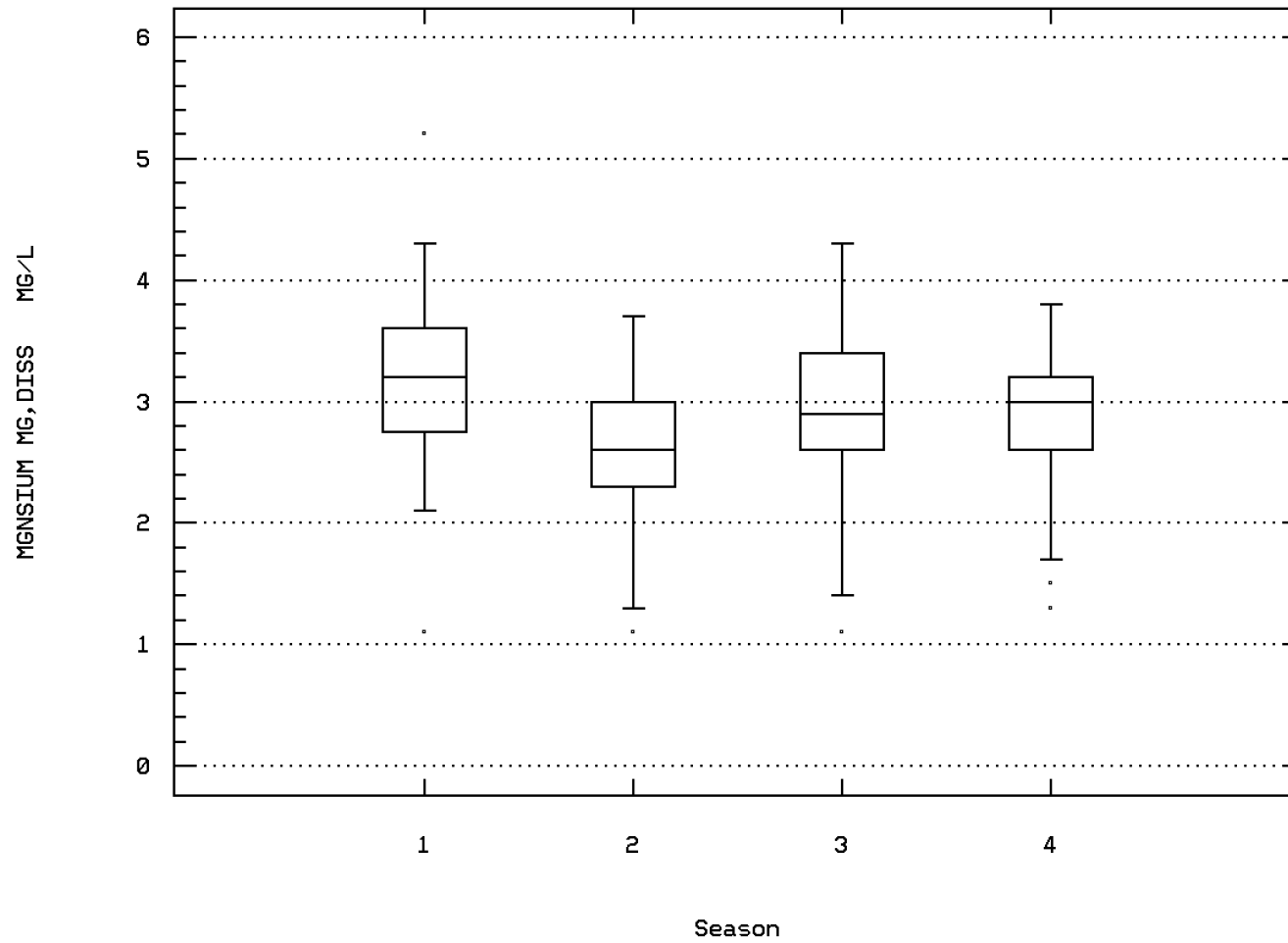
CALCIUM, DISSOLVED (MG/L AS CA)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00925

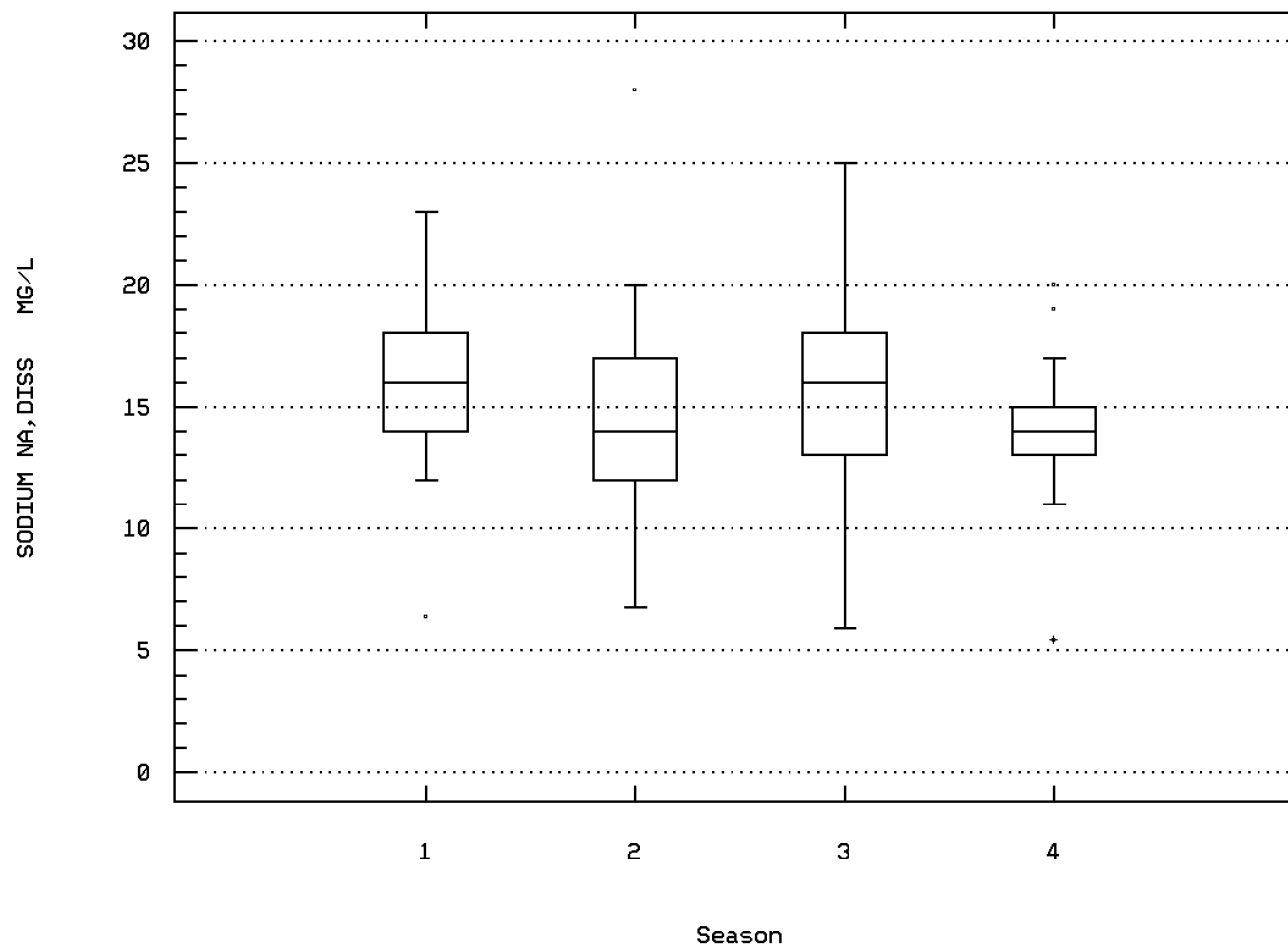
MAGNESIUM, DISSOLVED (MG/L AS MG)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00930

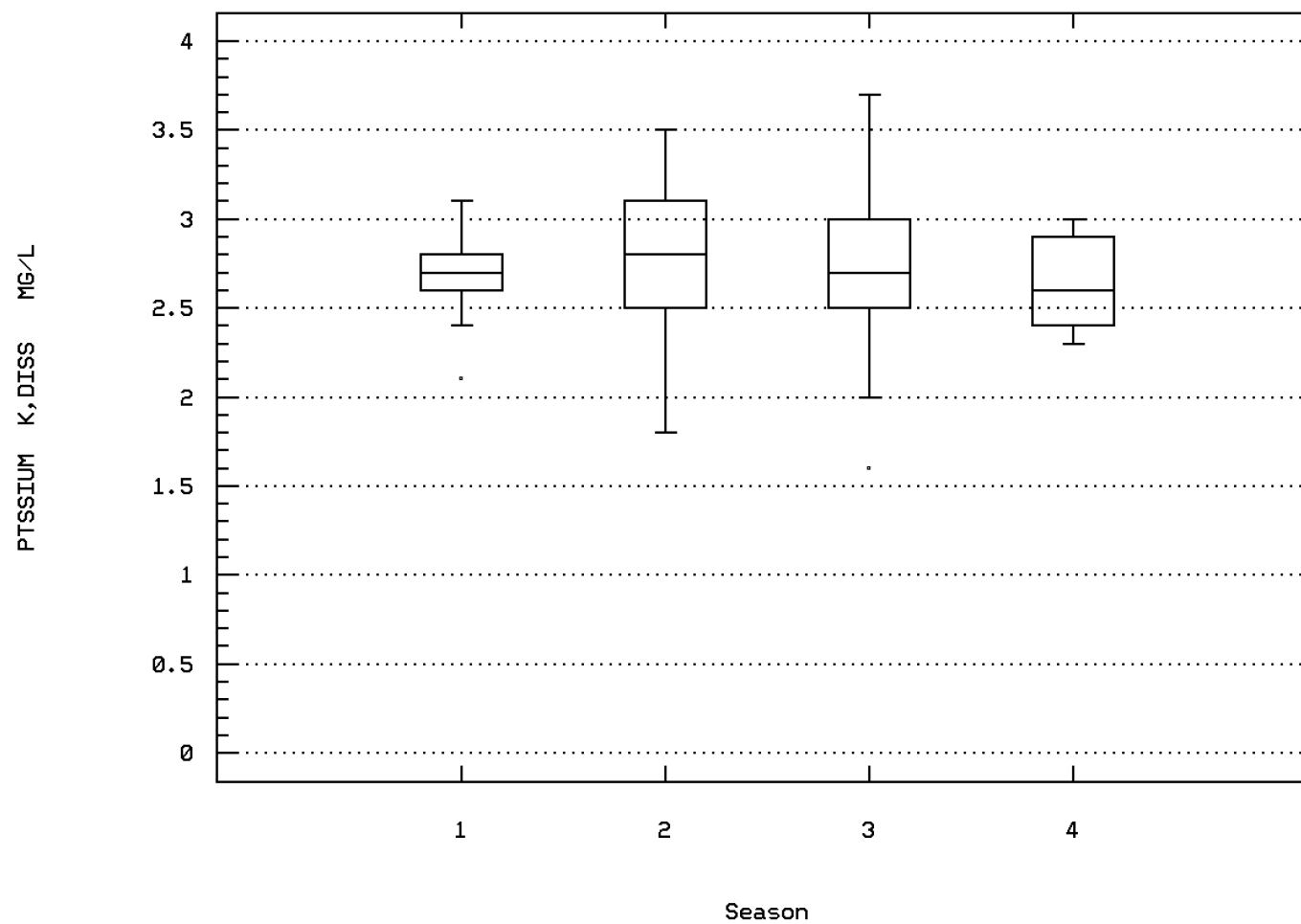
SODIUM, DISSOLVED (MG/L AS NA)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00935

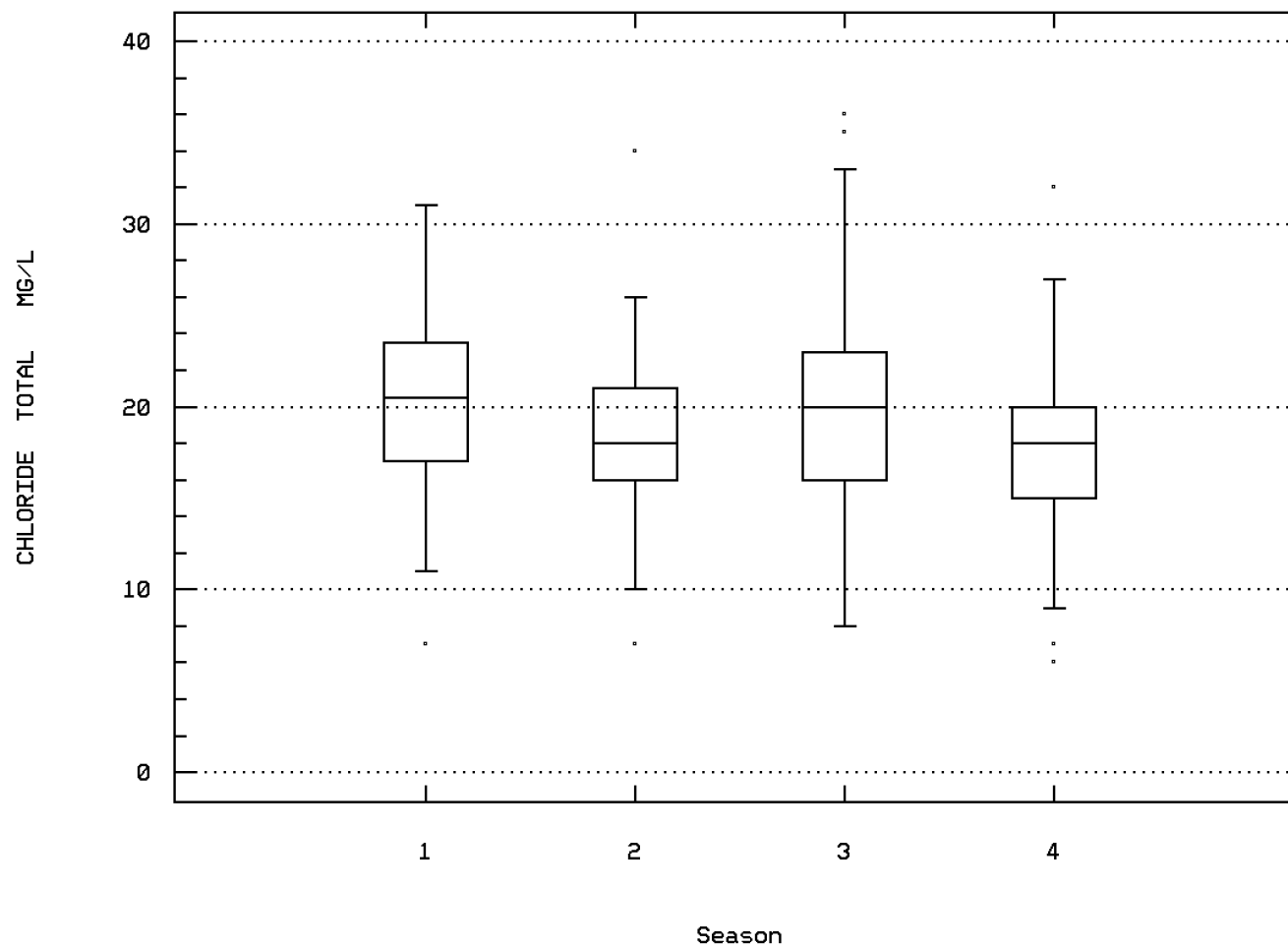
POTASSIUM, DISSOLVED (MG/L AS K)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00940

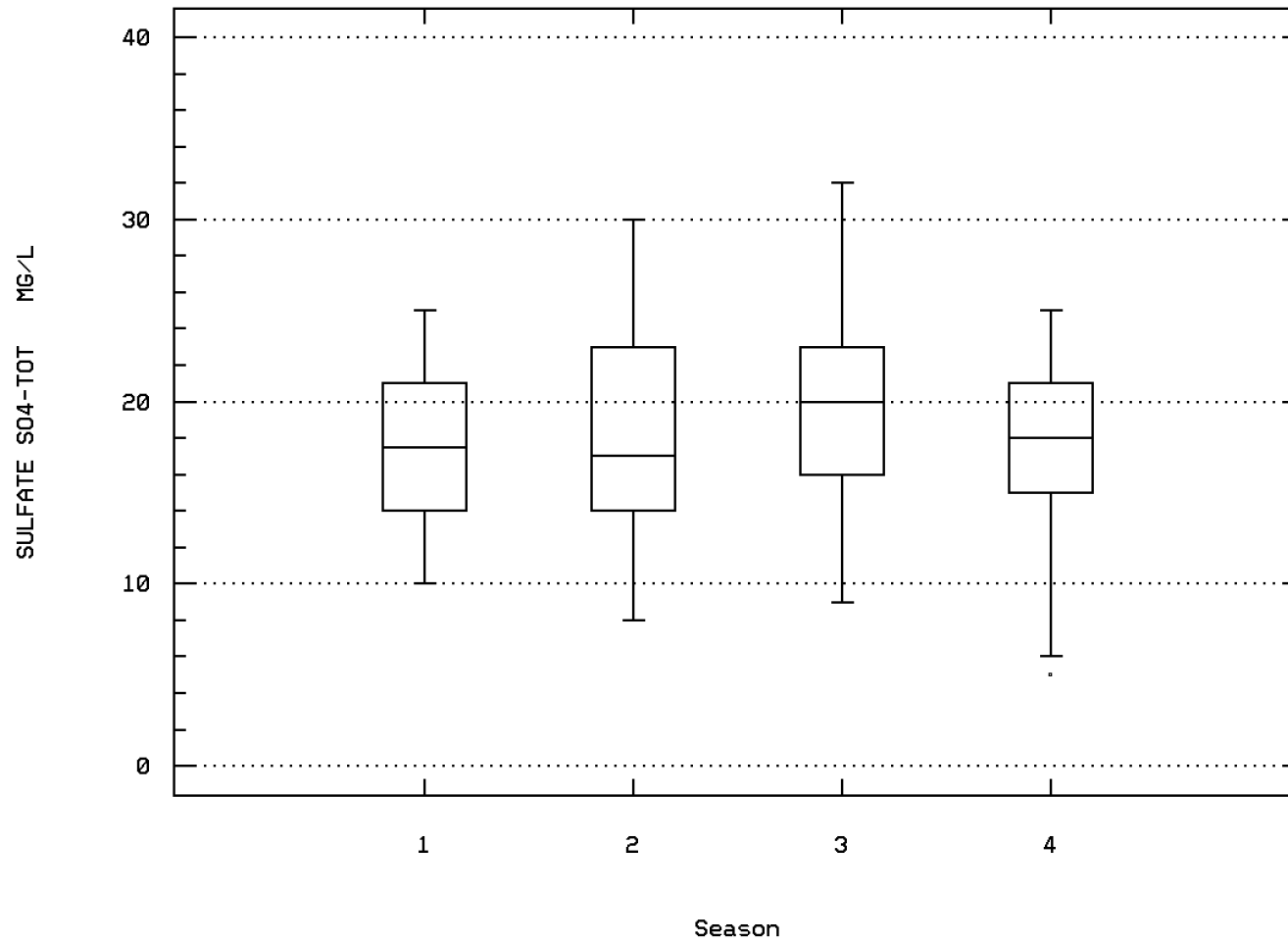
CHLORIDE, TOTAL IN WATER



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00945

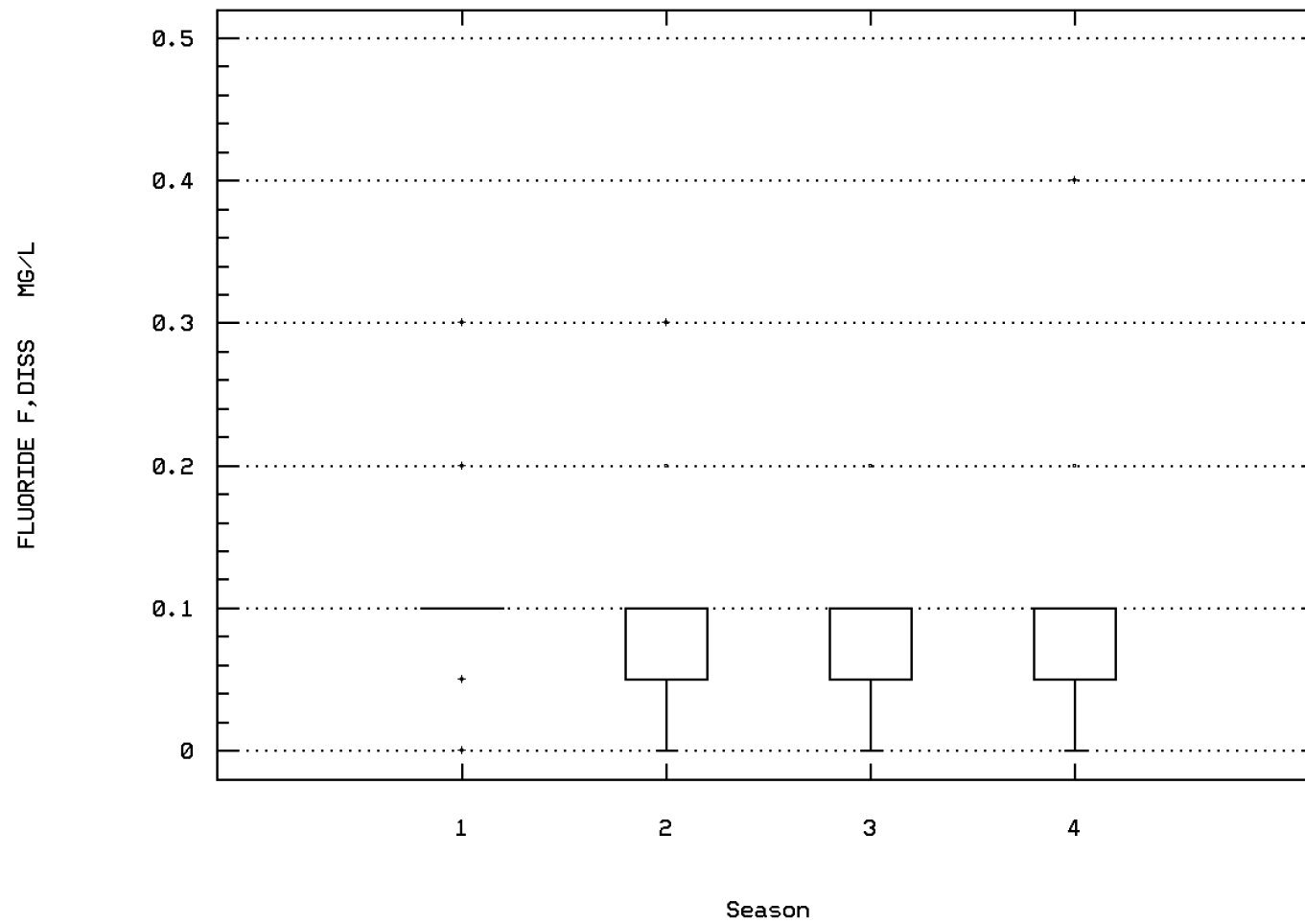
SULFATE, TOTAL (MG/L AS SO4)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00950

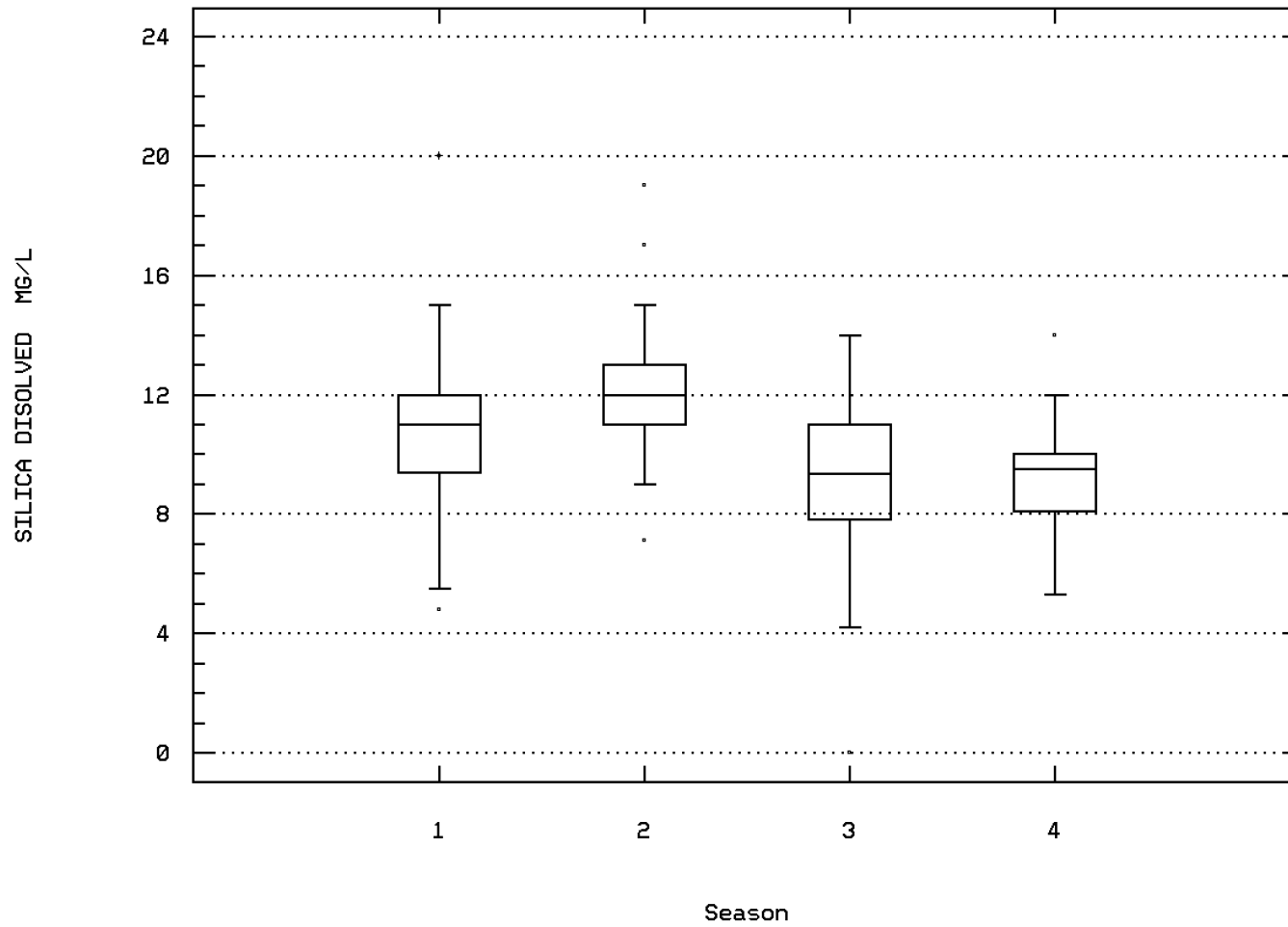
FLUORIDE, DISSOLVED (MG/L AS F)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 00955

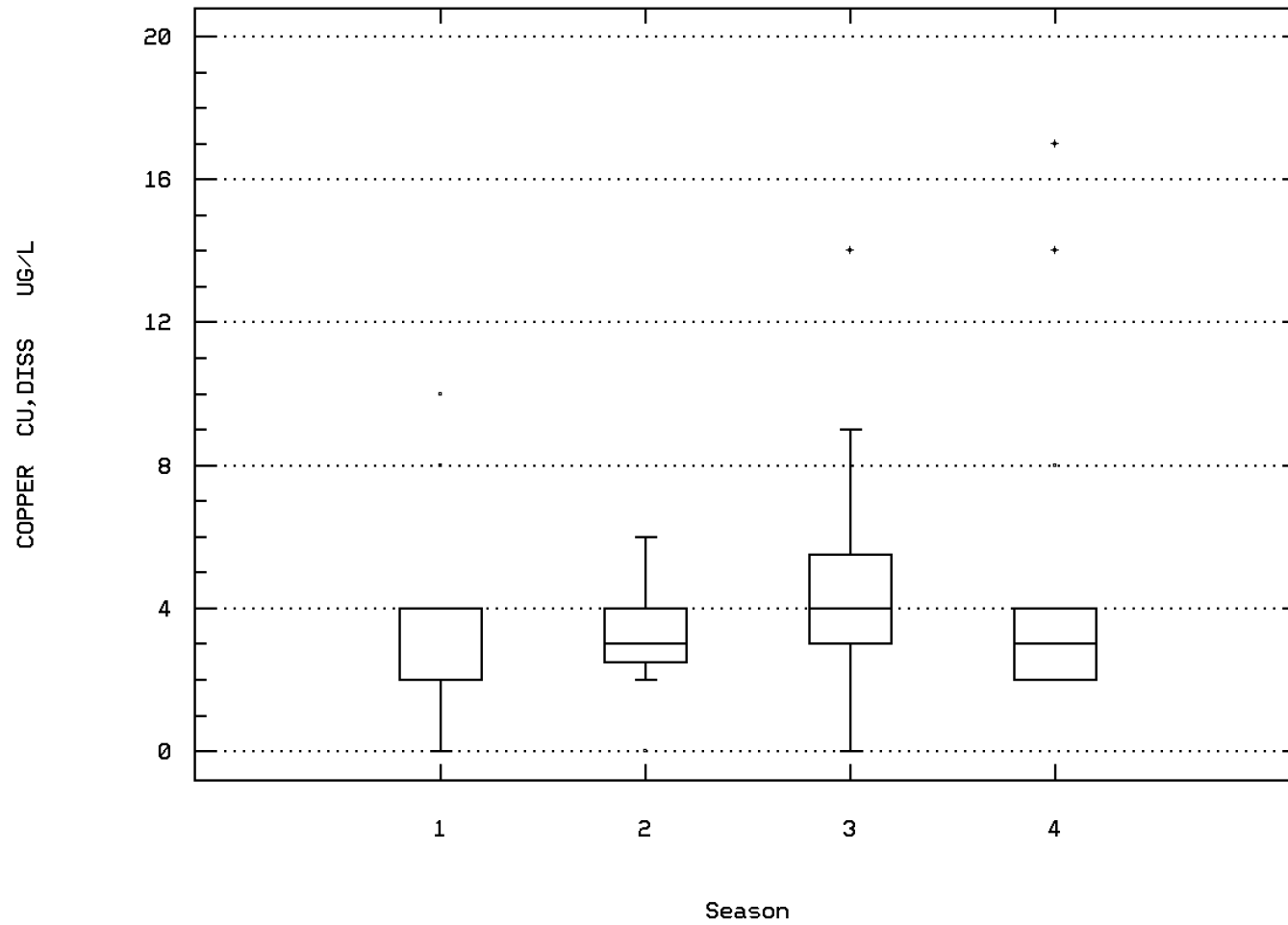
SILICA, DISSOLVED (MG/L AS SI02)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01040

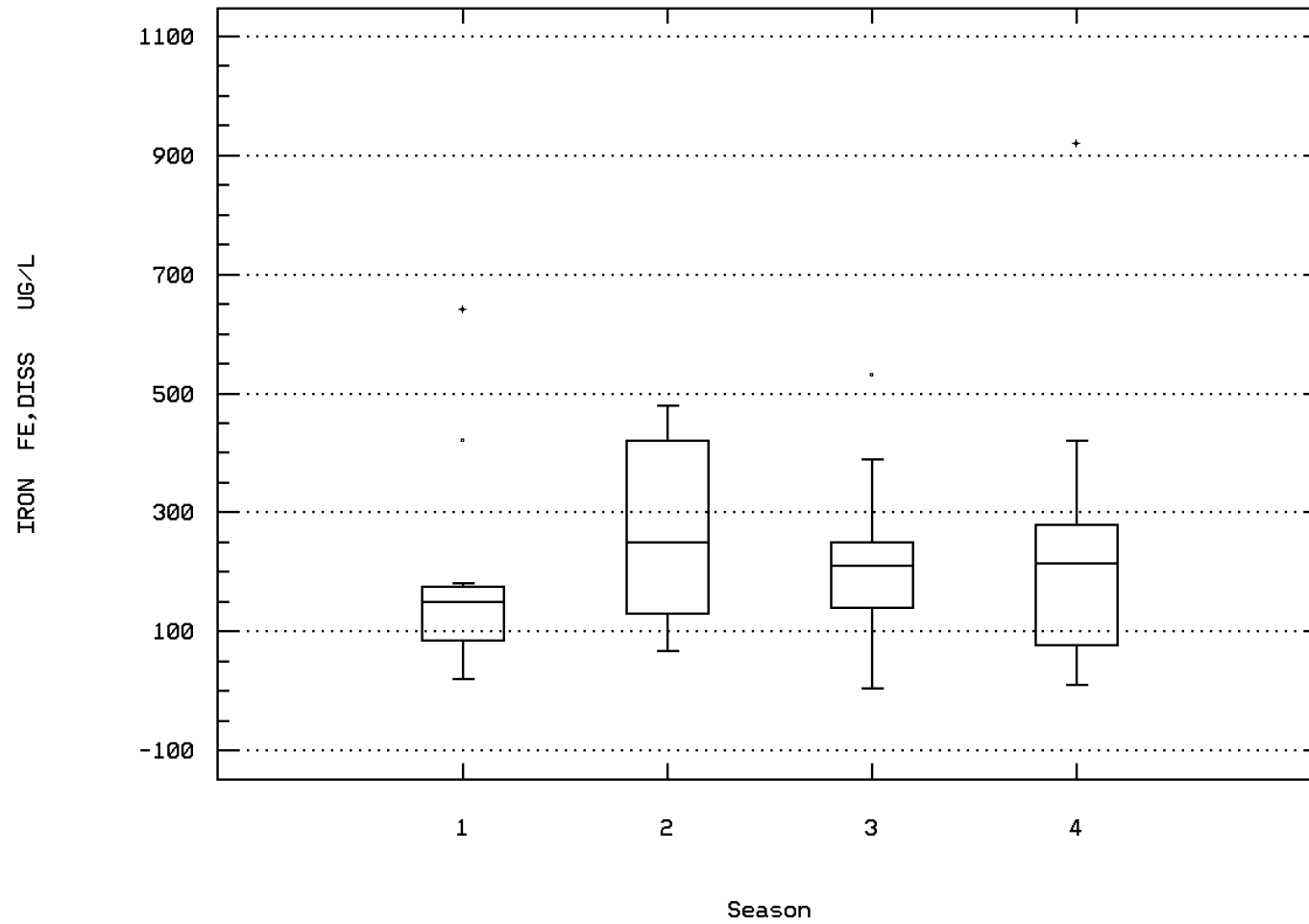
COPPER, DISSOLVED (UG/L AS CU)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01046

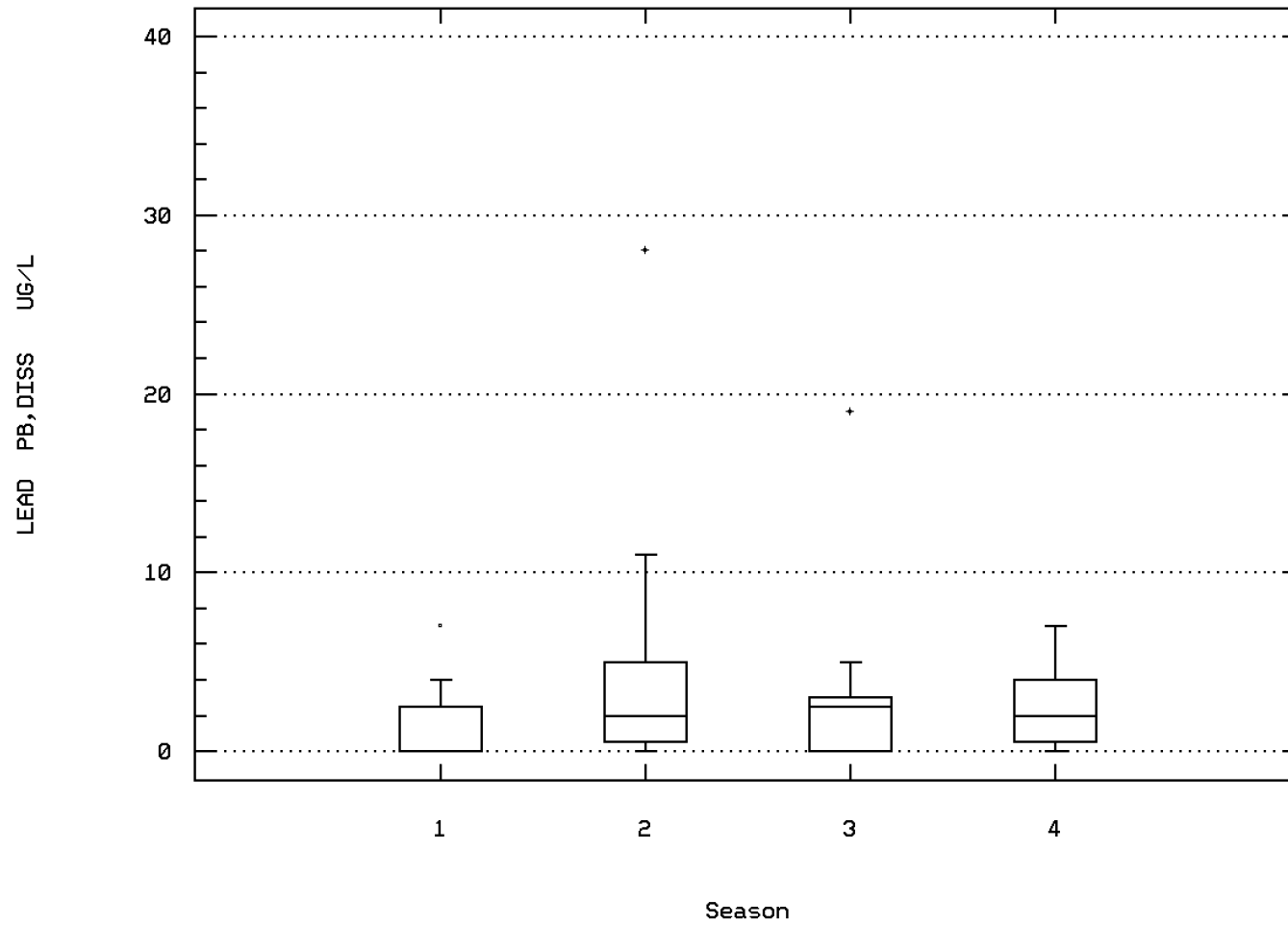
IRON, DISSOLVED (UG/L AS FE)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01049

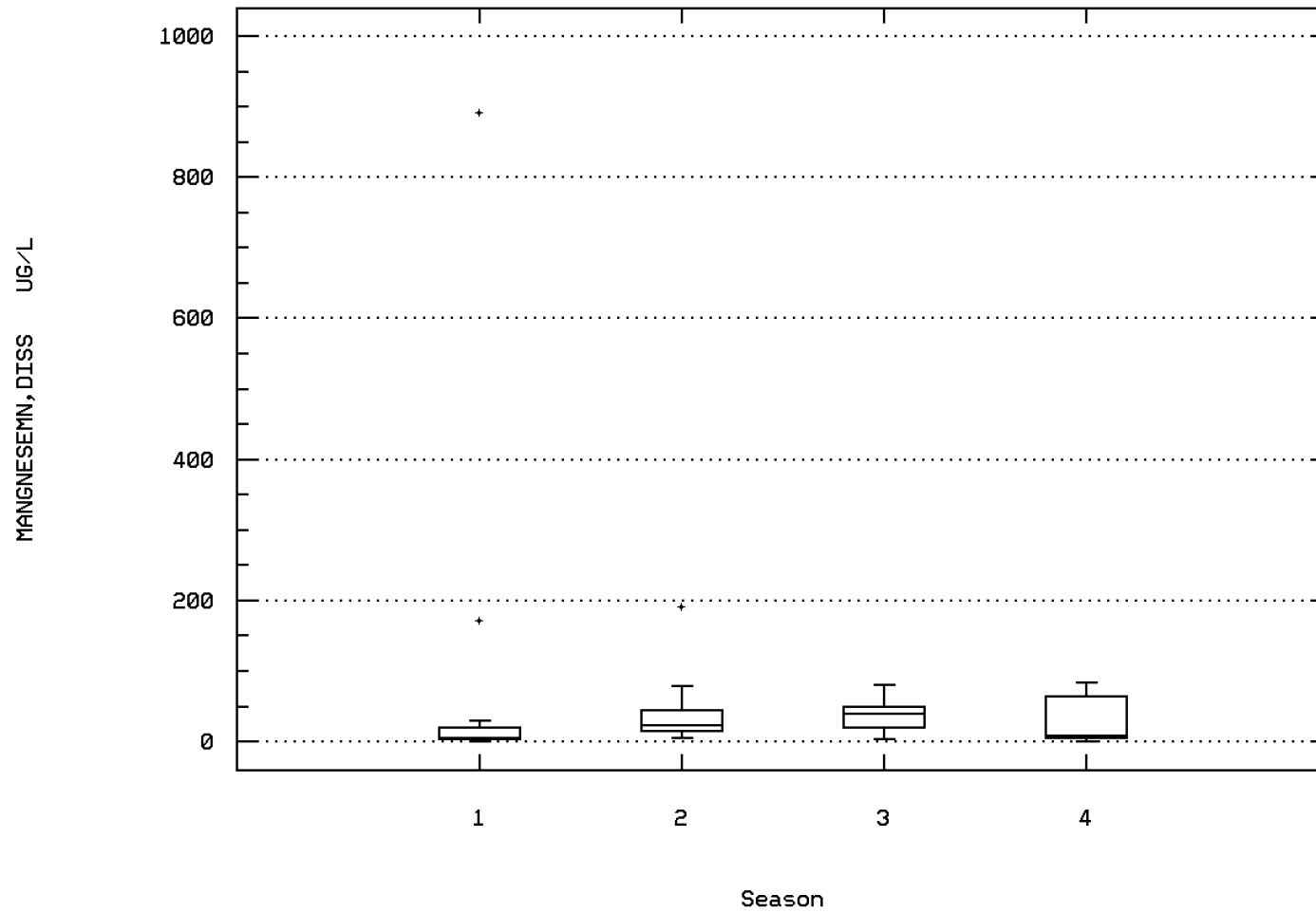
LEAD, DISSOLVED (UG/L AS PB)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01056

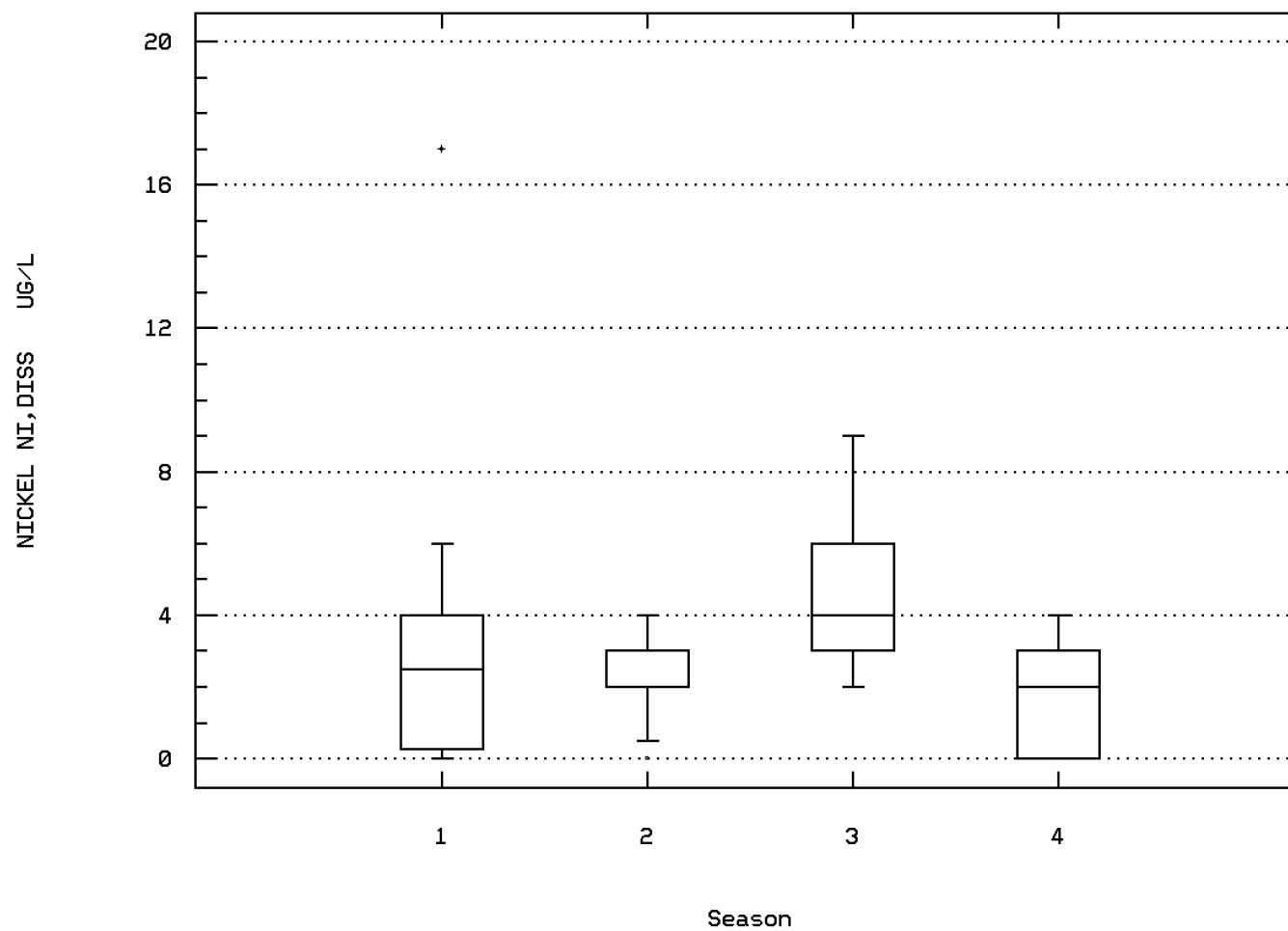
MANGANESE, DISSOLVED (UG/L AS MN)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01065

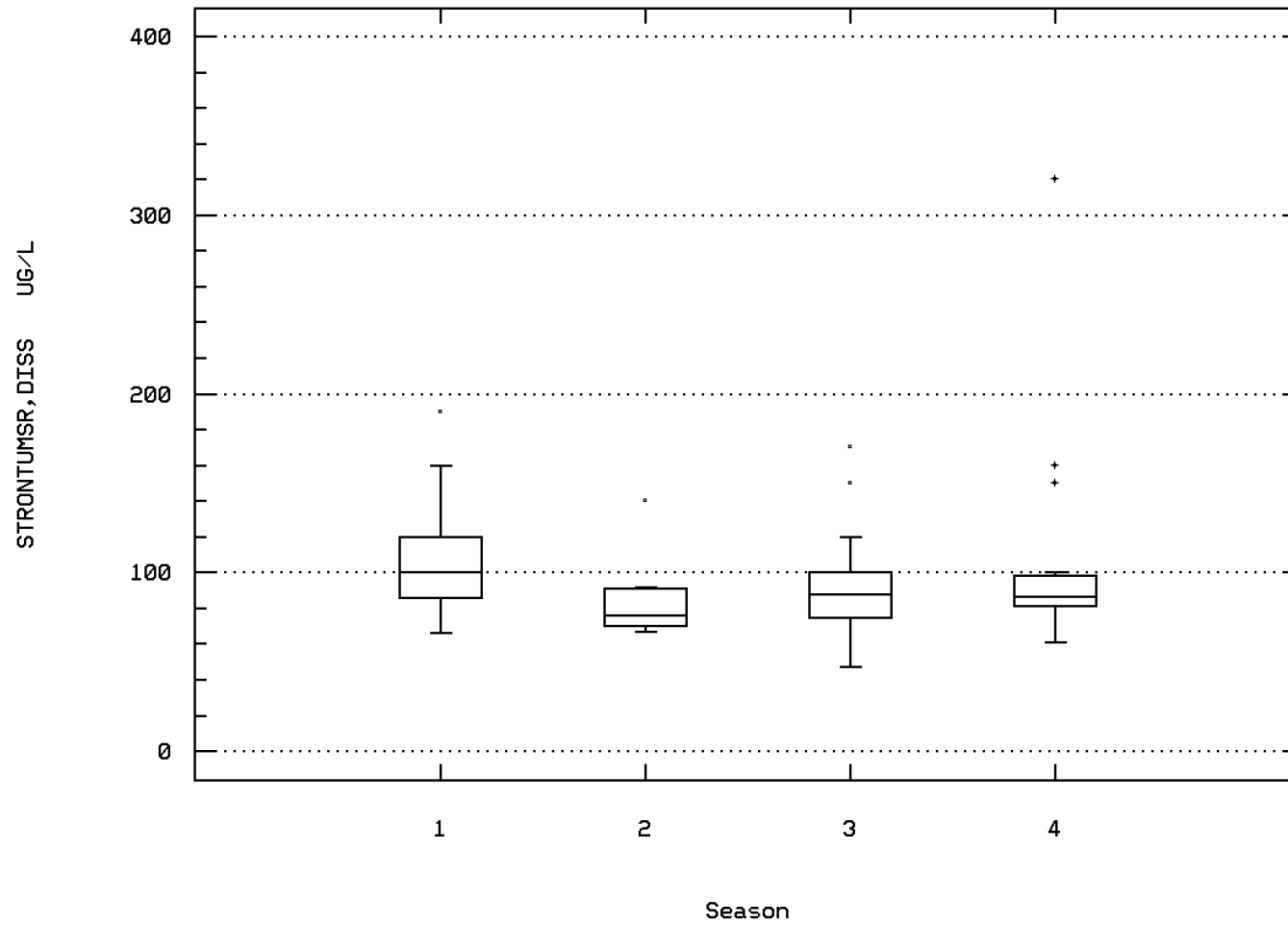
NICKEL, DISSOLVED (UG/L AS NI)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01080

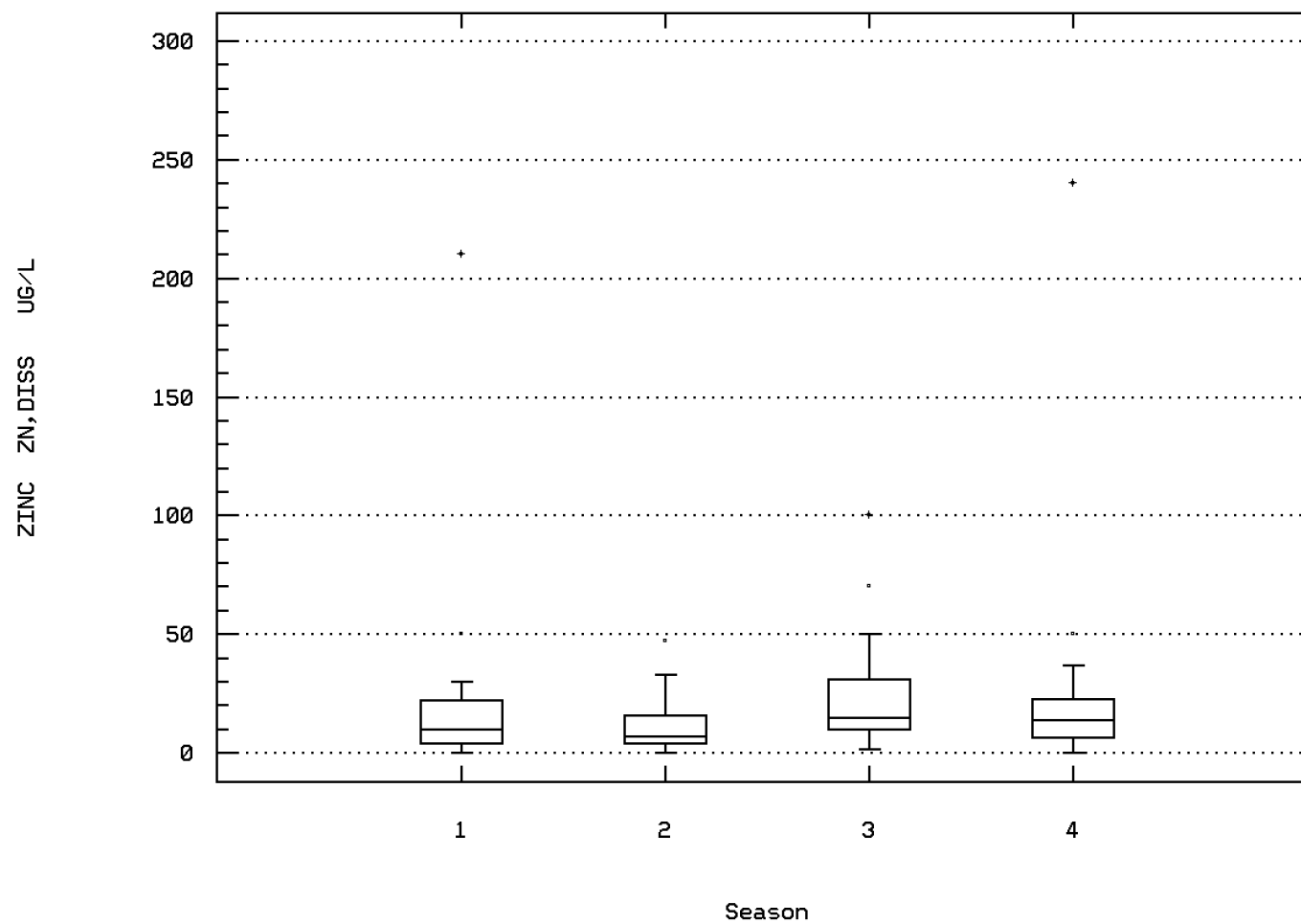
STRONTIUM, DISSOLVED (UG/L AS SR)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01090

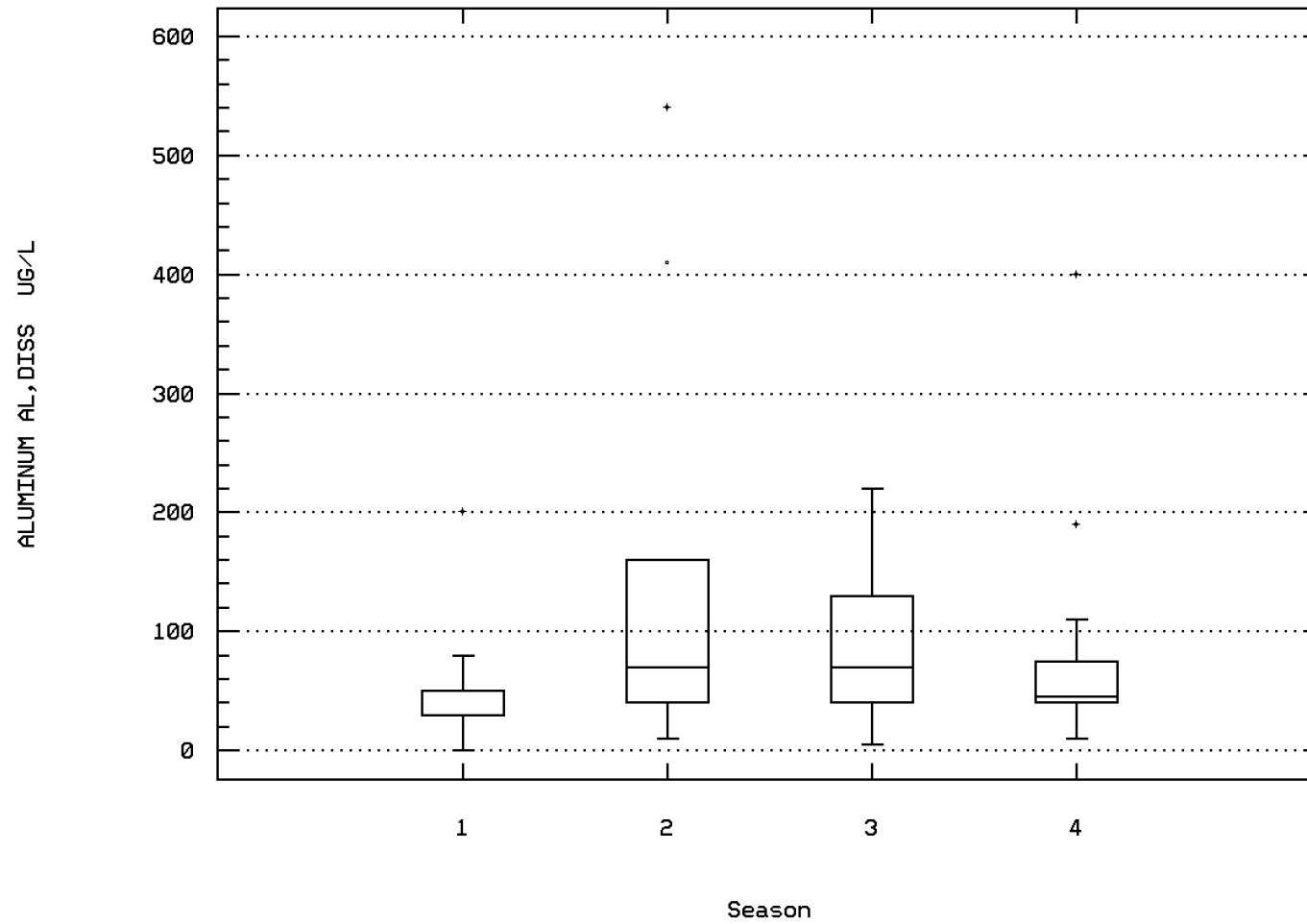
ZINC, DISSOLVED (UG/L AS ZN)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01106

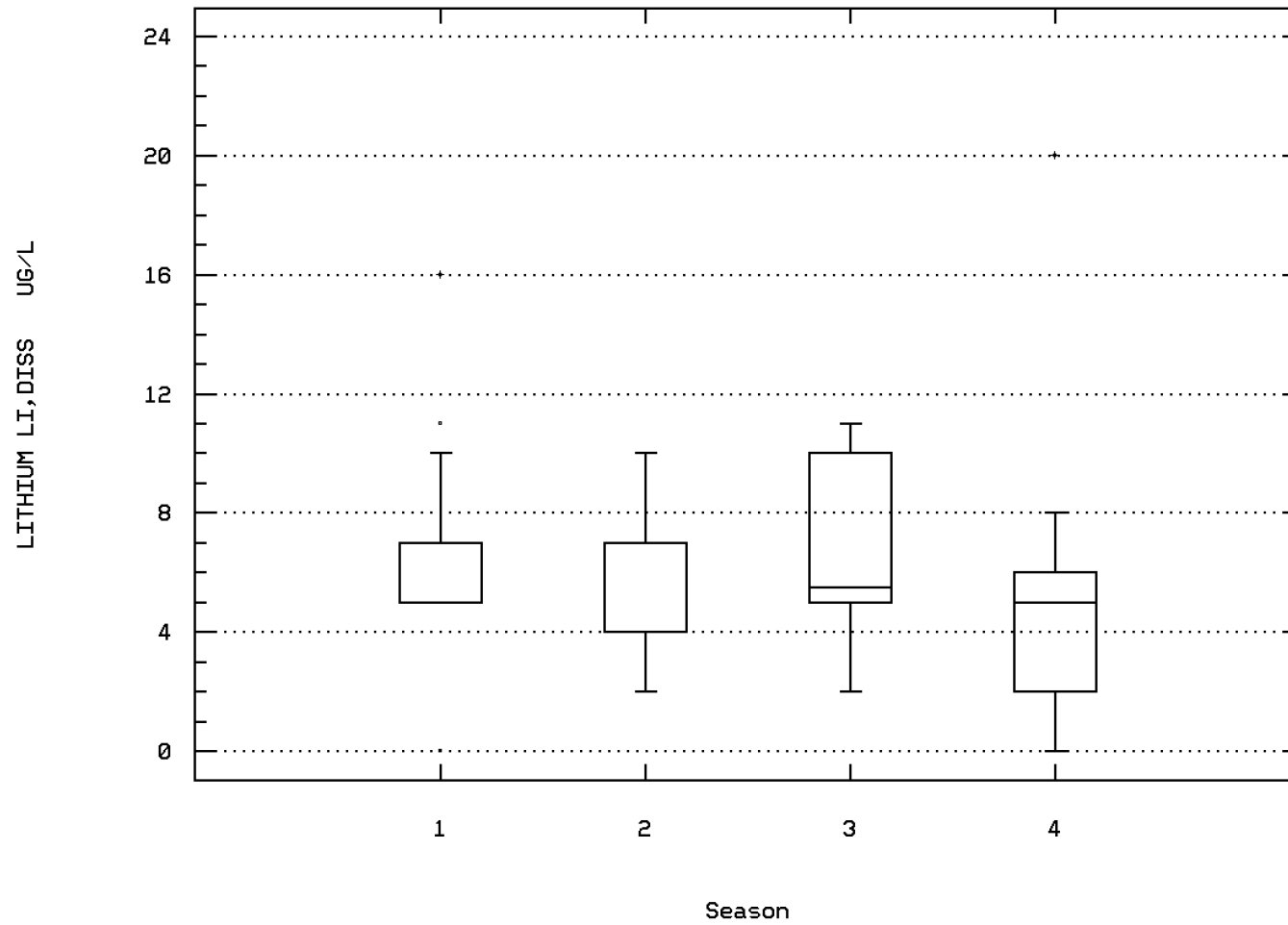
ALUMINUM, DISSOLVED (UG/L AS AL)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 01130

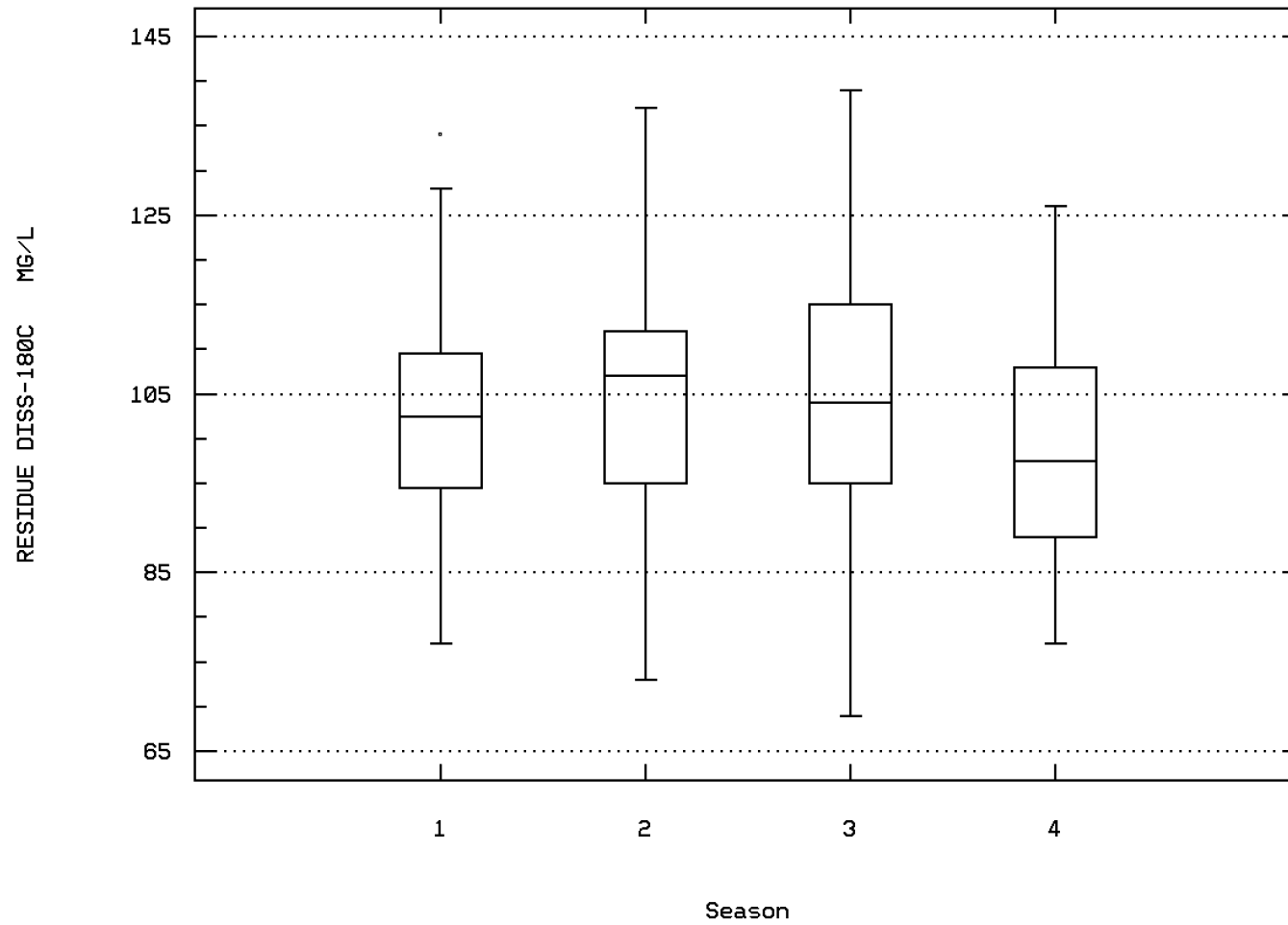
LITHIUM, DISSOLVED (UG/L AS LI)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 70300

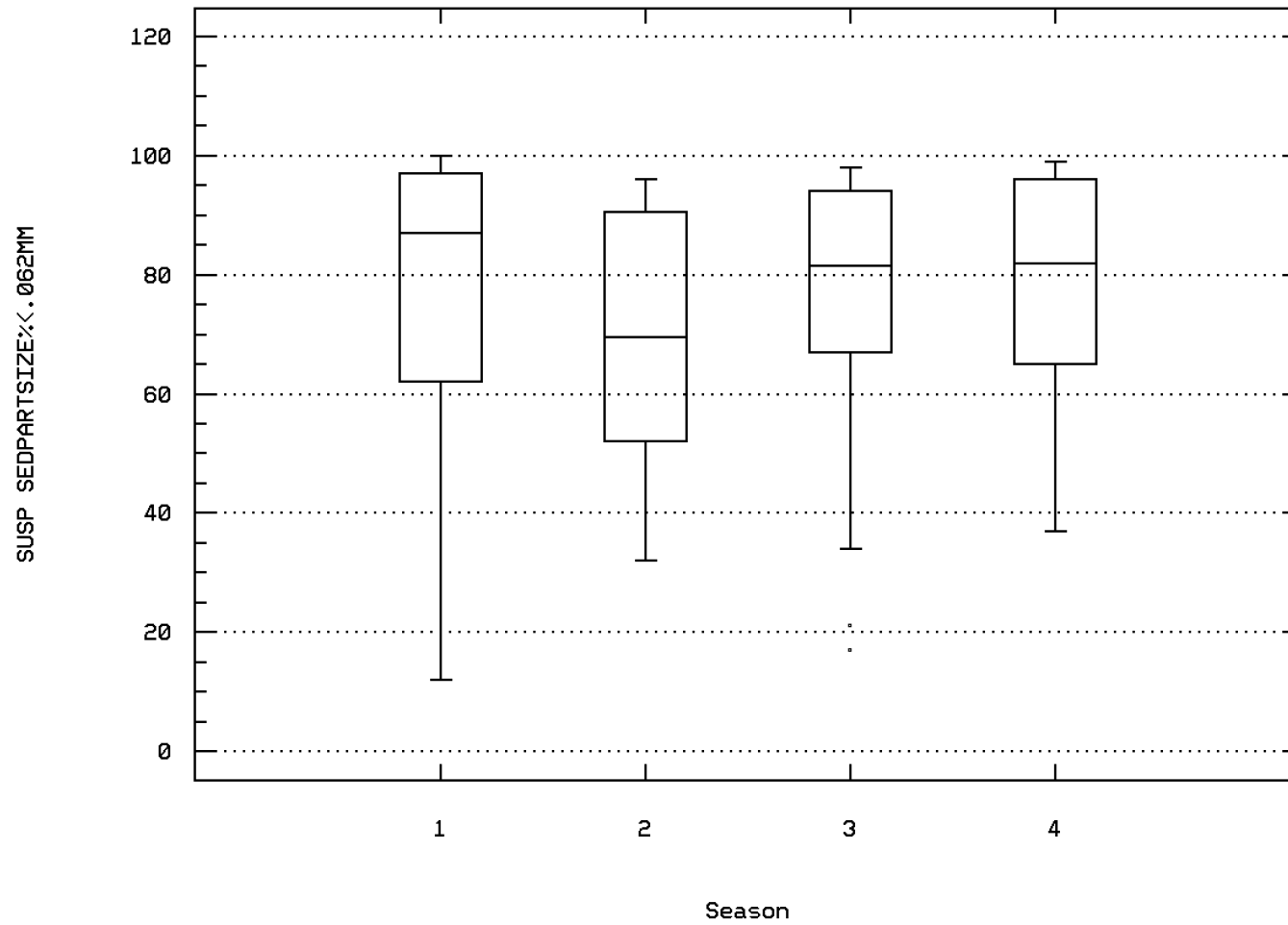
RESIDUE, TOTAL FILTRABLE (DRIED AT 180C)



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 70331

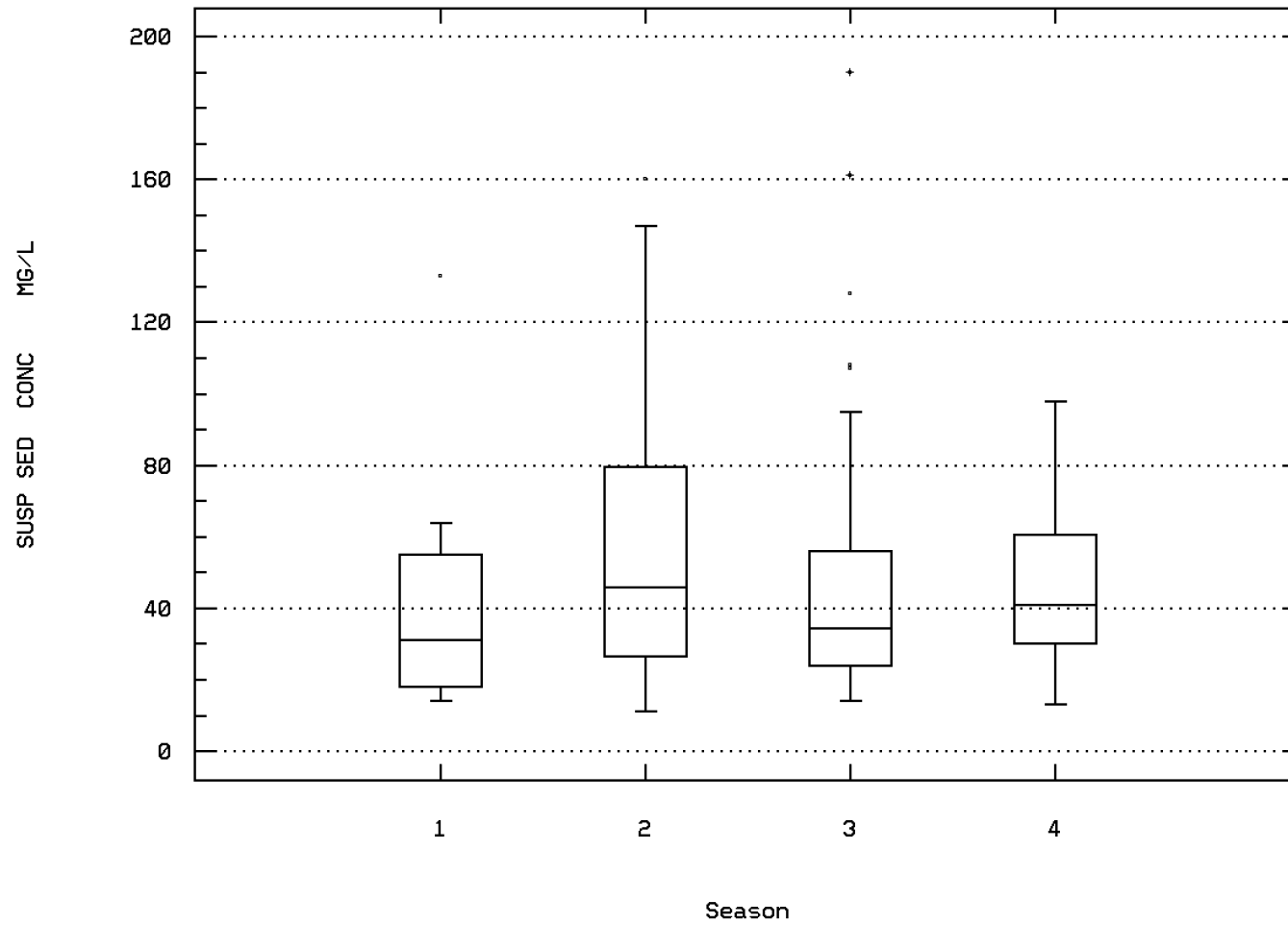
SUSPENDED SED SIEVE DIAMETER,% FINER TH



NECHES RIVER AT EVADALE, TEX.

Station: BITH0033 Parameter Code: 80154

SUSP. SEDIMENT CONCENTRATION-EVAP. AT 1



NECHES RIVER AT EVADALE, TEX.

Station Inventory for Station: BITH0034

NPS Station ID: BITH0034
 Location: NECHES RIVER AT US 96 EAST OF SILSBEE
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin:
 Minor Basin: Neches River Basin
 RF1 Index: 12020003
 RF3 Index: 12030202002201.13
 Description:
 NECHES RIVER AT US 96 EAST OF SILSBEE

LAT/LON: 30.355837/ -94.093337

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 1.12

Agency: 21TXWQB
 FIPS State/County: 48199 TEXAS/HARDIN
 STORET Station ID(s): 10580 /0602.0100 /602.1000
 Within Park Boundary: Yes

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 34M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	291	22.2	21.079	32.	6.	46.438	6.815	11.	15.1	27.	29.5
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	176	72.	70.29	90.	42.8	150.471	12.267	51.94	59.925	80.8	85.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	253	4400.	6941.862	38100.	170.	35540867.056	5961.616	2190.	2800.	10000.	16000.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	99	53.	55.919	122.	16.	491.483	22.169	30.	40.	71.	83.
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/81-07/27/92	65	23.	24.56	56.	1.8	98.71	9.935	14.6	18.	32.	37.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	109	14.	14.597	36.	0.1	27.938	5.286	9.	12.	17.	22.
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/17/89-06/16/93	6	0.345	0.378	0.6	0.28	0.013	0.114	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/07/85-02/07/85	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12/05/73	4	245.	235.	320.	130.	9900.	99.499	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	204	152.	160.701	348.	70.	2286.802	47.821	110.	131.	180.	219.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	138	147.	146.413	232.	70.	767.252	27.699	113.6	129.75	162.25	176.2
00300	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	291	7.8	8.084	13.4	4.2	2.65	1.628	6.2	6.9	8.9	10.48
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	11/02/81-02/01/83	8	108.	103.625	119.	77.	190.839	13.814	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	10/25/71-07/27/92	75	1.4	1.393	3.	0.2	0.302	0.55	0.66	1.1	1.7	2.14
00335	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	167	23.	24.913	100.	2.5	186.163	13.644	9.8	17.	30.	40.2
00339	COD, BOTTOM DEPOSITS, DRY WEIGHT MG/KG	09/15/76-07/19/84	9	10700.	29168.556	137000.	5800.	1793684923.778	42351.918	5800.	8650.	32500.	137000.
00400	PH (STANDARD UNITS)	03/20/72-06/16/93	277	6.8	6.838	8.6	5.8	0.167	0.409	6.4	6.59	7.	7.4
00400	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	277	6.8	6.662	8.6	5.8	0.198	0.445	6.4	6.59	7.	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	277	0.158	0.218	1.585	0.003	0.05	0.224	0.04	0.1	0.257	0.398
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	69	7.1	7.065	7.9	6.	0.131	0.363	6.6	6.8	7.3	7.5
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	69	7.1	6.898	7.9	6.	0.16	0.4	6.6	6.8	7.3	7.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	69	0.079	0.126	1.	0.013	0.024	0.154	0.032	0.05	0.158	0.251
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	251	19.	19.074	43.	2.5	23.4	4.837	14.	16.	21.	25.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	01/28/75-05/04/78	42	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00480	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	107 ##	0.5	0.351	1.	0.	0.049	0.222	0.06	0.07	0.5	0.5
00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/15/76-06/07/88	13	23100.	26435.385	81400.	560.	460844757.09	21467.295	2534.	9630.	39434.5	66750.4
00500	RESIDUE, TOTAL (MG/L)	01/28/75-08/10/76	20	32.5	39.45	90.	12.	495.524	22.26	16.3	23.25	57.75	80.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/28/75-08/10/76	20	7.	9.35	51.	2.	110.345	10.505	3.	4.25	9.	17.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/25/75-02/25/75	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	175	30.	36.777	805.	5.	3652.737	60.438	15.	22.	40.	53.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	174	5.	5.655	39.	1.	16.273	4.034	1.5	3.	7.	10.5
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT.REC.MG/L	07/19/74-05/04/78	48 ##	2.5	2.398	7.2	0.5	2.422	1.556	0.5	1.	2.5	5.
00557	OIL & GREASE, SED, DRY WT,FREON EXTR.-GRAV METH,MG/KG	09/24/75-06/07/88	13	281.	1613.154	18100.	5.	24560814.641	4955.887	22.2	103.5	358.	11072.8
00561	OIL & GREASE, SED, DRY WT,FREON EXTR.-IR METH,MG/KG	03/27/74-09/15/76	8	1.	88.	696.	1.	60353.429	245.669	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/27/73-06/27/73	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/02/81-07/27/92	66	0.03	0.044	0.16	0.005	0.001	0.034	0.01	0.02	0.06	0.096

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	239	0.03	0.041	1.	0.005	0.006	0.079	0.005	0.01	0.05	0.06
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-07/27/92	42 ##	0.005	0.006	0.03	0.005	0.	0.004	0.005	0.005	0.005	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	73	0.01	0.019	0.1	0.005	0.	0.015	0.007	0.01	0.025	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	195	0.05	0.064	0.35	0.005	0.003	0.056	0.01	0.02	0.1	0.14
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/08/91-07/08/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	233	0.6	0.663	3.	0.2	0.12	0.346	0.4	0.5	0.8	0.9
00626	NITROGEN,ORG. KJEL..BOT. DEPOS. (MG/KG-N DRY WGT)	03/27/74-06/07/88	20	313.5	848.355	8400.	0.4	3522315.343	1876.783	0.41	0.65	812.25	2398.9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	126	0.055	0.077	0.23	0.005	0.003	0.052	0.01	0.05	0.12	0.15
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/02/81-07/27/92	66 ##	0.05	0.057	0.3	0.025	0.001	0.035	0.045	0.05	0.05	0.093
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	152	0.21	0.309	13.	0.	1.085	1.042	0.12	0.15	0.278	0.31
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	151	0.03	0.043	0.74	0.015	0.004	0.066	0.015	0.015	0.06	0.06
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	261	0.06	0.085	4.25	0.005	0.068	0.261	0.04	0.05	0.08	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/02/81-07/27/92	65	0.02	0.029	0.11	0.005	0.	0.02	0.01	0.02	0.035	0.054
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	09/24/75-06/07/88	14	180.	320.136	1400.	12.4	178654.366	422.675	12.45	50.	327.25	1267.
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	253	0.01	0.017	0.24	0.005	0.	0.022	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	182	8.	9.382	48.	1.5	27.866	5.279	5.	6.	11.	15.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/02/81-05/15/90	11	28.	28.091	38.	17.	29.891	5.467	18.2	24.	30.	37.
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	11/02/81-07/27/92	66	7.	7.108	9.7	3.9	0.856	0.925	6.24	6.6	7.8	8.1
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/02/81-07/27/92	66	2.9	2.824	3.7	1.7	0.268	0.518	2.1	2.4	3.2	3.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/02/81-07/27/92	66	15.	14.688	21.	5.4	10.527	3.244	10.	12.75	17.	19.
00931	SODIUM ADSORPTION RATIO	11/02/81-02/01/83	8	1.45	1.45	1.8	1.	0.1	0.316	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/02/81-07/27/92	66	2.7	2.702	3.7	1.	0.176	0.42	2.3	2.5	3.	3.2
00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/71-06/16/93	264	19.	19.284	44.	6.	25.36	5.036	13.	16.	22.	25.5
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/09/72-01/09/74	16	22.	22.063	30.	10.	34.063	5.836	14.2	17.25	27.75	30.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	263	19.	18.627	32.	5.	21.319	4.617	12.	16.	22.	24.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/02/81-07/27/92	66 ##	0.05	0.079	0.2	0.05	0.002	0.045	0.05	0.05	0.1	0.13
00955	SILICA, DISSOLVED (MG/L AS SiO2)	11/02/81-07/27/92	66	10.	10.288	15.	6.9	2.847	1.687	8.	9.275	11.	12.3
01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/02/81-08/26/91	39 ##	0.5	0.705	2.	0.5	0.102	0.319	0.5	0.5	1.	1.
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	61 ##	5.	4.902	20.	1.	9.182	3.03	2.5	2.5	5.	10.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/24/75-06/07/88	14	3.65	4.526	13.	0.37	12.018	3.467	0.735	2.075	6.15	11.35
01005	BARIUM, DISSOLVED (UG/L AS BA)	11/02/81-07/27/92	43	44.	43.326	54.	31.	22.796	4.775	37.	40.	47.	50.2
01007	BARIUM, TOTAL (UG/L AS BA)	04/22/74-09/28/82	8 ##	100.	151.25	500.	10.	25298.214	159.054	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	06/16/77-06/07/88	8	51.	64.625	119.	19.	1205.125	34.715	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/16/82-08/26/91	35 ##	0.25	0.333	1.	0.	0.044	0.209	0.25	0.25	0.25	0.68
01022	BORON, TOTAL (UG/L AS B)	04/22/74-06/13/79	4 ##	100.	812.5	3000.	50.	2127291.667	1458.524	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/02/81-08/26/91	39 ##	0.5	0.795	3.	0.5	0.444	0.666	0.5	0.5	0.5	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	61 ##	5.	5.566	20.	0.5	12.312	3.509	1.	5.	5.	10.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	14 ##	0.225	0.277	0.6	0.1	0.02	0.141	0.1	0.2	0.348	0.545
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	14	5.3	6.629	17.	0.9	23.487	4.846	1.45	2.75	10.5	15.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/02/81-08/26/91	39 ##	0.5	1.051	5.	0.5	1.945	1.395	0.5	0.5	0.5	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	61 ##	25.	31.639	100.	5.	397.268	19.932	10.	10.	50.	50.
01035	COBALT, DISSOLVED (UG/L AS CO)	11/02/81-07/27/92	43 ##	1.5	1.465	2.	0.5	0.052	0.229	1.5	1.5	1.5	1.5
01037	COBALT, TOTAL (UG/L AS CO)	11/02/81-09/28/82	4 ##	0.75	1.	2.	0.5	0.5	0.707	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/02/81-08/26/91	39	3.	3.256	17.	1.	7.038	2.653	1.	2.	4.	5.
01042	COPPER, TOTAL (UG/L AS CU)	04/22/74-05/15/90	13 ##	10.	22.308	100.	4.	795.564	28.206	4.4	5.	35.	80.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/24/75-06/07/88	14	3.4	4.736	13.	1.	12.038	3.47	1.7	2.825	5.25	12.
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	58	2090.	2449.31	20000.	370.	6261066.183	2502.212	1037.	1475.	2747.5	3420.
01046	IRON, DISSOLVED (UG/L AS FE)	11/02/81-07/27/92	43	210.	206.163	480.	11.	15088.616	122.836	56.8	110.	260.	420.
01049	LEAD, DISSOLVED (UG/L AS PB)	11/02/81-08/26/91	39 ##	2.	2.103	11.	0.5	3.91	1.977	0.5	0.5	2.5	5.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	61 ##	25.	21.795	60.	1.	83.253	9.124	7.6	25.	25.	25.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/24/75-06/07/88	14	7.95	9.1	25.	0.5	37.252	6.103	2.25	4.7	11.75	20.5
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/24/75-06/07/88	14	405.	495.857	1100.	152.	74535.67	273.012	171.	282.5	710.	960.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/22/74-09/28/82	10	200.	207.	320.	120.	3378.889	58.128	122.	170.	252.5	314.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/02/81-07/27/92	43	22.	29.721	83.	1.	589.301	24.276	3.4	9.	46.	67.8
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-07/27/92	39 ##	5.	5.128	10.	5.	0.641	0.801	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/02/81-07/27/92	43	2.	2.93	17.	0.5	8.947	2.991	0.7	1.	3.	7.
01067	NICKEL, TOTAL (UG/L AS NI)	04/22/74-05/15/90	14 ##	10.	21.929	100.	0.5	772.571	27.795	1.25	4.75	35.	75.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	14	4.45	4.799	12.	0.285	11.286	3.359	0.843	2.	6.125	11.5
01075	SILVER, DISSOLVED (UG/L AS AG)	11/02/81-07/27/92	43 ##	0.5	0.616	4.	0.5	0.331	0.576	0.5	0.5	0.5	0.5
01077	SILVER, TOTAL (UG/L AS AG)	04/22/74-05/15/90	12 ##	8.	11.75	50.	0.5	219.205	14.806	0.5	0.5	21.25	42.5
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/24/75-06/07/88	14 ##	0.223	0.364	1.6	0.1	0.15	0.387	0.1	0.2	0.378	1.14
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-07/27/92	39	84.	80.872	100.	47.	171.694	13.103	66.	70.	91.	97.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-07/27/92	39 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/02/81-08/26/91	39	13.	14.974	47.	1.5	117.223	10.827	4.	6.	20.	33.
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	61 ##	50.	56.393	300.	10.	2425.109	49.245	10.	27.5	50.	109.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/24/75-06/07/88	14	20.	25.571	51.	12.	171.187	13.084	12.5	14.75	38.	47.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-07/27/92	38	50.	84.079	540.	5.	10278.183	101.381	20.	40.	85.	160.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-07/27/92	39	6.	6.154	16.	2.	9.713	3.116	2.	5.	7.	10.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/02/81-07/27/92	43 ##	0.5	0.581	2.	0.5	0.106	0.326	0.5	0.5	0.5	0.5
01147	SELENIUM, TOTAL (UG/L AS SE)	04/22/74-05/15/90	13 ##	1.	2.5	10.	0.5	11.75	3.428	0.5	0.5	2.5	10.
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/15/76-06/07/88	14 ##	0.43	0.4	0.98	0.1	0.053	0.23	0.1	0.239	0.5	0.74
31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/13/73-11/10/83	2	1217.5	1217.5	2400.	35.	2796612.5	1672.308	**	**	**	**
31501	LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	09/13/73-11/10/83	2	2.462	2.462	3.38	1.544	1.686	1.298	**	**	**	**
31501	GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			289.828								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/28/72-06/11/73	6	500.	653.333	1500.	190.	264586.667	514.38	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/28/72-06/11/73	6	2.678	2.696	3.176	2.279	0.129	0.359	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			496.126								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	140	42.5	126.282	3000.	0.5	95292.048	308.694	10.	20.	97.5	270.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	140	1.628	1.611	3.477	-0.301	0.467	0.684	1.	1.301	1.989	2.431
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40.857								
31619	FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48HR	02/28/72-06/11/73	6	60.	91.5	180.	40.	3833.5	61.915	**	**	**	**
31619	LOG FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,4	02/28/72-06/11/73	6	1.772	1.883	2.255	1.602	0.079	0.28	**	**	**	**
31619	GM FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48	GEOMETRIC MEAN =			76.317								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/02/81-07/27/92	66	56.	151.455	4100.	2.	266337.667	516.079	20.	39.	92.	176.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/02/81-07/27/92	66	1.748	1.778	3.613	0.301	0.217	0.466	1.301	1.591	1.964	2.245
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			59.994								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/02/81-07/27/92	66	150.	264.485	2300.	14.	145250.838	381.118	46.8	87.	240.	659.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/02/81-07/27/92	66	2.176	2.189	3.362	1.146	0.185	0.43	1.67	1.939	2.38	2.819
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			154.349								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/27/72-09/27/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/27/72-09/27/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1.								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	149	6.	6.835	29.	0.5	25.914	5.091	2.	3.	9.	12.
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	127	2.	2.895	14.	0.	6.562	2.562	0.5	1.	4.	6.
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/13/79-06/07/88	10 ##	2.5	18.543	50.	0.175	523.539	22.881	0.183	1.938	50.	50.
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	06/13/79-06/07/88	10 ##	1.25	1.188	2.5	0.01	0.475	0.689	0.046	0.843	1.5	2.4
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	06/13/79-06/07/88	10 ##	1.25	1.18	2.5	0.02	0.49	0.7	0.046	0.819	1.5	2.4
39070	CHLORDANE-NONACHLOR,CIS ISO BOTTOM DEPOS UG/KG	06/13/80-06/07/88	5 ##	1.	0.616	1.	0.02	0.277	0.526	**	**	**	**
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	06/13/79-06/07/88	10 ##	1.25	1.163	2.5	0.06	0.526	0.725	0.061	0.768	1.5	2.4
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	06/13/79-06/07/88	10 ##	0.5	0.407	0.5	0.015	0.039	0.197	0.019	0.388	0.5	0.5
39086	ALKALINITY, WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/13/89-07/27/92	18	15.5	16.	21.	12.	6.	2.449	12.9	14.	17.25	21.
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	06/13/79-07/19/84	6 ##	87.5	87.5	150.	25.	4687.5	68.465	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/13/79-07/19/84	6 ##	15.	15.	25.	5.	120.	10.954	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	1.	0.91	1.5	0.02	0.414	0.643	0.026	0.395	1.5	1.5
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	1.	1.011	2.5	0.025	0.643	0.802	0.031	0.396	1.5	2.4
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	1.	0.906	1.5	0.02	0.422	0.65	0.022	0.384	1.5	1.5
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	1.	1.012	2.5	0.03	0.642	0.801	0.036	0.396	1.5	2.4
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	0.625	0.532	0.75	0.02	0.082	0.286	0.023	0.388	0.75	0.75
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	0.625	0.714	2.5	0.025	0.463	0.68	0.034	0.404	0.75	2.325
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	0.5	0.36	0.5	0.015	0.035	0.188	0.026	0.25	0.5	0.5
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	11/08/89-11/08/89	1 ##	0.045	0.045	0.045	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/16/77-06/07/88	12 ##	1.75	2.7	10.	0.03	7.605	2.758	0.132	1.5	4.25	8.5
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	1.5	13.801	150.	0.03	1840.779	42.904	0.047	1.	2.25	106.2
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	0.75	1.053	3.25	0.025	0.848	0.921	0.052	0.75	1.	3.025
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	1.5	1.509	4.	0.025	1.198	1.094	0.043	1.	2.25	3.55
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	12 ##	1.	0.839	2.5	0.02	0.414	0.643	0.029	0.5	1.	2.05
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	1.5	1.092	2.5	0.025	0.564	0.751	0.04	0.5	1.5	2.2
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.145	0.145	0.145	0.145	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	12 ##	17.5	14.125	25.	0.285	134.337	11.59	0.713	2.5	25.	25.
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	0.02	0.015	0.02	0.005	0.	0.009	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	0.25	0.298	0.5	0.015	0.029	0.17	0.027	0.25	0.5	0.5
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	0.03	0.022	0.03	0.005	0.	0.014	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/16/77-06/07/88	12 ##	0.5	0.423	0.5	0.02	0.032	0.18	0.031	0.5	0.5	0.5
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	0.55	0.373	0.55	0.02	0.094	0.306	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/16/77-06/07/88	12 ##	5.	3.482	10.	0.13	9.572	3.094	0.138	0.5	5.	8.5
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3	0.	0.05	0.15	0.	0.008	0.087	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	12 ##	10.	6.695	10.	0.4	16.999	4.123	1.012	2.5	10.	10.
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	0.7	0.507	0.7	0.12	0.112	0.335	**	**	**	**
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/15/85-06/07/88	4 ##	1.415	1.356	2.5	0.095	1.753	1.324	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	0.25	0.187	0.25	0.06	0.012	0.11	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	1.5	1.119	2.5	0.065	0.51	0.714	0.155	0.5	1.5	2.2
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.11	0.11	0.11	0.	0.	**	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	12 ##	2.5	2.817	14.54	0.265	14.614	3.823	0.336	0.5	2.5	10.928
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/16/77-06/07/88	12 ##	1.5	1.118	2.5	0.05	0.513	0.716	0.145	0.5	1.5	2.2
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	0.5	3.461	10.	0.05	20.635	4.543	0.095	0.5	10.	10.
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	25.	17.267	25.	1.8	179.413	13.395	**	**	**	**
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	15.	14.263	25.	1.29	129.903	11.398	1.295	4.085	25.	25.
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	5.	3.34	5.	0.02	8.267	2.875	**	**	**	**
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/13/79-06/07/88	10 ##	5.	6.855	28.19	0.355	58.329	7.637	0.82	5.	5.	25.871
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/20/74-09/24/75	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	12 ##	5.	4.637	10.	0.305	6.107	2.471	0.316	5.	5.	8.5
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/20/74-11/08/89	3 ##	0.015	0.012	0.015	0.005	0.	0.006	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	12 ##	0.5	0.421	0.5	0.01	0.034	0.184	0.021	0.5	0.5	0.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	155	110.	123.271	1615.	69.	15102.822	122.894	86.	99.	126.	148.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/11/74-02/01/83	39	92.	95.128	160.	55.	769.115	27.733	60.	74.	112.	142.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/02/81-07/27/92	66	82.5	75.015	99.	12.	536.138	23.155	38.4	58.5	95.	97.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/10/90-07/27/92	12	0.03	0.026	0.04	0.005	0.	0.012	0.005	0.02	0.038	0.04
71890	MERCURY, DISSOLVED (UG/L AS HG)	11/02/81-08/26/91	39 ##	0.05	0.068	0.3	0.05	0.003	0.052	0.05	0.05	0.05	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	60 ##	0.25	0.435	6.	0.	0.707	0.841	0.1	0.2	0.25	0.89
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/24/75-06/07/88	14	0.05	0.106	0.4	0.01	0.013	0.114	0.02	0.048	0.125	0.35
72053	DAYS SINCE PRECIPITATION EVENT DAYS	11/08/89-06/16/93	2	1.	1.	1.	1.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/02/81-07/27/92	66	33.	45.621	190.	13.	1259.162	35.485	17.7	23.	57.5	90.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	11/02/81-09/28/82	6	649.5	711.667	1460.	223.	184683.067	429.748	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	99	59	0.60	18	7	0.39	26	20	0.77	31	20	0.65	24	12	0.50
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	65	2	0.03	7	0	0.00	17	1	0.06	26	1	0.04	15	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	291	0	0.00	55	0	0.00	71	0	0.00	100	0	0.00	65	0	0.00
00400	PH	Other-Hi Lim.	9.	277	0	0.00	52	0	0.00	68	0	0.00	94	0	0.00	63	0	0.00
00403	PH, LAB	Other-Lo Lim.	6.5	277	68	0.25	52	10	0.19	68	21	0.31	94	26	0.28	63	11	0.17
		Other-Hi Lim.	9.	69	0	0.00	13	0	0.00	17	0	0.00	25	0	0.00	14	0	0.00
		Other-Lo Lim.	6.5	69	3	0.04	13	1	0.08	17	1	0.06	25	0	0.00	14	1	0.07
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	42	0	0.00	3	0	0.00	12	0	0.00	17	0	0.00	10	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	73	0	0.00	11	0	0.00	17	0	0.00	27	0	0.00	18	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	195	0	0.00	42	0	0.00	47	0	0.00	64	0	0.00	42	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	126	0	0.00	28	0	0.00	33	0	0.00	40	0	0.00	25	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	66	0	0.00	7	0	0.00	17	0	0.00	26	0	0.00	16	0	0.00
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	264	0	0.00	50	0	0.00	65	0	0.00	92	0	0.00	57	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	16	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00	4	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	263	0	0.00	50	0	0.00	65	0	0.00	91	0	0.00	57	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
		Drinking Water	50.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0034

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	61	0	0.00	11	0	0.00	14	0	0.00	22	0	0.00	14	0	0.00
	Drinking Water	50.	61	0	0.00	11	0	0.00	14	0	0.00	22	0	0.00	14	0	0.00
01005 BARIUM, DISSOLVED	Drinking Water	2000.	43	0	0.00	7	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	35	0	0.00	6	0	0.00	8	0	0.00	11	0	0.00	10	0	0.00
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
	Drinking Water	5.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	10 &	3	0.30	1	0	0.00	2	0	0.00	4	1	0.25	3	2	0.67
	Drinking Water	5.	10 &	3	0.30	1	0	0.00	2	0	0.00	4	1	0.25	3	2	0.67
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	61	1	0.02	11	0	0.00	14	0	0.00	22	0	0.00	14	1	0.07
01040 COPPER, DISSOLVED	Fresh Acute	18.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
	Drinking Water	1300.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	11 &	2	0.18	1	0	0.00	2	0	0.00	3	0	0.00	5	2	0.40
	Drinking Water	1300.	13	0	0.00	1	0	0.00	2	0	0.00	5	0	0.00	5	0	0.00
01049 LEAD, DISSOLVED	Fresh Acute	82.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
	Drinking Water	5.	38 &	3	0.08	7	0	0.00	9	1	0.11	11	0	0.00	11	2	0.18
01051 LEAD, TOTAL	Fresh Acute	82.	61	0	0.00	11	0	0.00	14	0	0.00	22	0	0.00	14	0	0.00
	Drinking Water	5.	8 &	3	0.38	1	0	0.00	2	0	0.00	3	1	0.33	2	2	1.00
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	43	0	0.00	7	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00
	Drinking Water	100.	43	0	0.00	7	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	14	0	0.00	1	0	0.00	2	0	0.00	6	0	0.00	5	0	0.00
	Drinking Water	100.	14	1	0.07	1	0	0.00	2	0	0.00	6	0	0.00	5	1	0.20
01075 SILVER, DISSOLVED	Fresh Acute	4.1	43	0	0.00	7	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00
	Drinking Water	50.	43	0	0.00	7	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	5 &	1	0.20	1	0	0.00	1	0	0.00	1	0	0.00	2	1	0.50
	Drinking Water	50.	12	1	0.08	1	0	0.00	2	0	0.00	5	0	0.00	4	1	0.25
01090 ZINC, DISSOLVED	Fresh Acute	120.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	61	4	0.07	11	0	0.00	14	1	0.07	22	3	0.14	14	0	0.00
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	43	0	0.00	7	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00
	Drinking Water	50.	43	0	0.00	7	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	13	0	0.00	1	0	0.00	2	0	0.00	5	0	0.00	5	0	0.00
	Drinking Water	50.	13	0	0.00	1	0	0.00	2	0	0.00	5	0	0.00	5	0	0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	1	0.50	1	1	1.00	1	0	0.00						
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	2	0.33	1	1	1.00	1	1	1.00	3	0	0.00	1	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	139 &	19	0.14	31	3	0.10	34	11	0.32	44	2	0.05	30	3	0.10
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	66	5	0.08	7	0	0.00	17	3	0.18	26	2	0.08	16	0	0.00
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	1.	1	0	0.00				1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00				1	0	0.00						
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
39360 DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00				1	0	0.00						
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00				1	0	0.00						
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00						
	Drinking Water	0.2	1	0	0.00				1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00				1	0	0.00						
	Drinking Water	3.	1	0	0.00				1	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
	Drinking Water	0.4	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
	Drinking Water	0.2	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
39540 PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1 &	0	0.00				1	0	0.00						
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0034

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00			1	0	0.00							
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	3	0	0.00	1	0	0.00	1	0	0.00			1	0	0.00	
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	1	0	0.00						1	0	0.00	
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	3	0	0.00	1	0	0.00	1	0	0.00			1	0	0.00	
		Drinking Water	0.2	3	0	0.00	1	0	0.00	1	0	0.00			1	0	0.00	
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
		Drinking Water	2.	39	0	0.00	7	0	0.00	9	0	0.00	12	0	0.00	11	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	60	2	0.03	10	1	0.10	14	0	0.00	22	0	0.00	14	1	0.07
		Drinking Water	2.	60	2	0.03	10	1	0.10	14	0	0.00	22	0	0.00	14	1	0.07

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1971 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	2	20.	20.	22.2	17.8	9.68	3.111	**	**	**	**
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	2	68.	68.	72.	64.	32.	5.657	**	**	**	**
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	2	35.	35.	45.	25.	200.	14.142	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	2	155.5	155.5	183.	128.	1512.5	38.891	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	2	7.65	7.65	7.8	7.5	0.045	0.212	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	2	6.55	6.55	6.7	6.4	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	2	6.525	6.525	6.7	6.4	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	2	0.299	0.299	0.398	0.2	0.02	0.14	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	2	19.	19.	22.	16.	18.	4.243	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	11	22.2	21.209	27.8	10.6	24.493	4.949	11.92	18.3	25.6	27.46
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	11	72.	70.182	82.	51.	79.364	8.909	53.4	65.	78.	81.4
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	10	80.5	78.9	110.	50.	374.322	19.347	51.	61.5	90.5	109.7
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	5	170.	166.	200.	120.	1030.	32.094	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	4	143.	145.	175.	119.	640.667	25.311	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	11	7.5	7.336	8.4	4.2	1.283	1.132	4.72	7.3	8.	8.34
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	10	6.9	6.93	7.3	6.5	0.053	0.231	6.53	6.8	7.125	7.29
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	10	6.9	6.874	7.3	6.5	0.057	0.239	6.53	6.8	7.125	7.29
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	10	0.126	0.134	0.316	0.05	0.006	0.076	0.051	0.075	0.158	0.3
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	4	6.8	6.775	6.9	6.6	0.023	0.15	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	4	6.789	6.755	6.9	6.6	0.023	0.152	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	4	0.163	0.176	0.251	0.126	0.004	0.061	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	4	39.	39.5	53.	27.	167.	12.923	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	4	8.5	7.75	12.	2.	18.917	4.349	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	4	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	4	0.035	0.035	0.04	0.03	0.	0.006	**	**	**	**
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	4	0.22	0.22	0.3	0.14	0.005	0.073	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	4	0.075	0.075	0.1	0.05	0.001	0.024	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	4	20.	20.75	28.	15.	31.583	5.62	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	4	12.	11.75	13.	10.	2.25	1.5	**	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	4	13.	14.5	27.	5.	89.667	9.469	**	**	**	**

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Annual Analysis for 1973 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	13	22.2	21.454	27.8	9.4	43.294	6.58	9.64	16.7	27.5	27.8
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	13	72.	70.6	82.	49.	139.947	11.83	49.4	62.	81.5	82.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	4	10500.	11000.	15000.	8000.	12666666.667	3559.026	**	**	**	**
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	13	50.	56.538	98.	25.	458.603	21.415	27.	39.5	73.	90.8
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	150.	149.667	200.	110.	818.606	28.611	111.5	122.	171.25	197.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	5	139.	139.6	165.	101.	693.8	26.34	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	13	7.3	6.954	8.6	5.3	1.513	1.23	5.38	5.65	8.05	8.6
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	12	6.8	6.775	7.1	6.5	0.02	0.142	6.53	6.725	6.8	7.01
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	12	6.8	6.754	7.1	6.5	0.021	0.144	6.53	6.725	6.8	7.01
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	12	0.158	0.176	0.316	0.079	0.003	0.059	0.103	0.158	0.189	0.297
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	5	6.8	6.74	7.4	6.	0.248	0.498	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	5	6.8	6.507	7.4	6.	0.316	0.562	**	**	**	**

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Annual Analysis for 1973 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	5	0.158	0.311	1.	0.04	0.152	0.39	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	4	29.	34.75	59.	22.	296.25	17.212	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	4	4.5	4.75	7.	3.	4.25	2.062	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	5	0.2	0.222	0.5	0.05	0.035	0.187	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	5	0.07	0.069	0.11	0.015	0.001	0.038	**	**	**	**
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	5	0.18	0.172	0.24	0.09	0.003	0.059	**	**	**	**
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	2 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	5	0.06	0.058	0.08	0.03	0.	0.019	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	5	17.	17.2	22.	10.	25.7	5.07	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	5	15.	15.	19.	12.	9.5	3.082	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	2	440.	440.	870.	10.	369800.	608.112	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	2	1.97	1.97	2.94	1.	1.881	1.371	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			93.274								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	4	5.	5.	6.	4.	1.333	1.155	**	**	**	**

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Annual Analysis for 1974 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	17	22.2	21.276	29.4	10.	42.908	6.55	11.76	15.	27.2	29.
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	17	72.	70.324	85.	50.	139.029	11.791	53.2	59.	81.	84.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	17	5100.	9852.941	30000.	700.	76717647.059	8758.861	1980.	4000.	16250.	28000.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	17	49.	51.941	80.	30.	198.434	14.087	34.	42.	60.5	76.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	17	140.	135.	175.	80.	500.	22.361	104.	120.	150.	159.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	15	144.	143.067	228.	110.	763.067	27.624	116.	122.	150.	187.2
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	17	7.8	8.1	9.9	6.7	1.269	1.126	6.86	7.1	9.2	9.9
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	11	20.	24.273	35.	20.	37.818	6.15	20.	20.	30.	35.
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	17	6.9	6.906	7.4	6.5	0.064	0.254	6.5	6.7	7.05	7.24
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	17	6.9	6.837	7.4	6.5	0.069	0.263	6.5	6.7	7.05	7.24
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	17	0.126	0.146	0.316	0.04	0.007	0.086	0.058	0.09	0.205	0.316
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	14	7.2	7.271	7.9	6.7	0.104	0.322	6.8	7.1	7.475	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	14	7.2	7.17	7.9	6.7	0.115	0.339	6.8	7.1	7.475	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	14	0.063	0.068	0.2	0.013	0.002	0.048	0.016	0.035	0.079	0.163
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	14	21.	20.714	27.	16.	8.22	2.867	16.5	18.5	22.25	25.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	16	41.5	40.	77.	17.	293.067	17.119	19.1	24.75	52.5	65.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	15	8.	8.4	14.	1.	13.971	3.738	2.8	5.	12.	13.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	16###	0.05	0.109	1.	0.05	0.056	0.238	0.05	0.05	0.05	0.335
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	10###	0.025	0.034	0.05	0.01	0.	0.015	0.012	0.025	0.05	0.05
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	16	0.055	0.074	0.35	0.01	0.008	0.089	0.01	0.015	0.103	0.238
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	4	0.6	0.6	0.7	0.5	0.007	0.082	**	**	**	**
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	16	0.215	1.028	13.	0.13	10.2	3.194	0.137	0.153	0.283	4.25
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	15##	0.015	0.039	0.16	0.015	0.002	0.041	0.015	0.015	0.04	0.118
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	16	0.07	0.336	4.25	0.04	1.09	1.044	0.047	0.053	0.09	1.387
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	15	0.01	0.014	0.05	0.005	0.	0.012	0.005	0.01	0.01	0.038
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	10.	12.083	19.	8.	16.083	4.01	8.	9.25	16.5	18.7
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	15	18.	17.6	22.	12.	6.257	2.501	13.2	16.	19.	20.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	15	17.	17.6	25.	12.	8.543	2.923	13.8	16.	19.	22.
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	10###	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	10###	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	10###	50.	55.	100.	50.	250.	15.811	50.	50.	50.	95.
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	10	1500.	1510.	2500.	800.	296555.556	544.569	800.	1100.	1850.	2450.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	10##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	10##	50.	75.	200.	50.	2361.111	48.591	50.	50.	100.	190.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	6	30.	43.167	129.	10.	1912.167	43.728	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	6	1.452	1.486	2.111	1.	0.144	0.38	**	**	**	**

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Annual Analysis for 1974 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		30.629								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	7	6.	5.429	11.	2.	9.286	3.047	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	10 ##	0.25	0.36	1.2	0.25	0.089	0.299	0.25	0.25	0.288

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Annual Analysis for 1975 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	13	23.	22.508	29.5	12.5	29.651	5.445	13.7	18.05	27.5
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	13	73.4	72.515	85.1	54.5	96.085	9.802	56.66	64.5	81.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	12	9300.	10412.5	24000.	1500.	48187329.545	6941.709	1815.	5125.	16125.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	13	42.	53.538	100.	30.	534.103	23.111	30.	35.5	70.5
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	13	136.	133.385	150.	98.	218.423	14.779	104.8	127.	145.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	13	147.	144.538	169.	118.	256.103	16.003	120.4	131.5	159.
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	13	7.8	7.623	9.9	6.1	1.947	1.395	6.14	6.25	8.95
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	13	25.	22.308	35.	5.	90.231	9.499	6.6	15.5	30.
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	13	6.8	6.862	7.2	6.7	0.023	0.15	6.7	6.75	6.9
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	13	6.8	6.84	7.2	6.7	0.023	0.152	6.7	6.75	6.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	13	0.158	0.145	0.2	0.063	0.002	0.043	0.07	0.126	0.179
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	13	7.2	7.192	7.5	6.9	0.042	0.206	6.9	7.	7.35
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	13	7.2	7.148	7.5	6.9	0.045	0.211	6.9	7.	7.35
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	13	0.063	0.071	0.126	0.032	0.001	0.033	0.032	0.045	0.1
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	13	22.	21.923	30.	16.	22.41	4.734	16.	17.5	26.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	13 ##	0.05	0.054	0.1	0.05	0.	0.014	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	13	0.01	0.014	0.03	0.01	0.	0.007	0.01	0.01	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	11	0.02	0.05	0.22	0.01	0.004	0.063	0.01	0.01	0.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	13	0.5	0.5	0.7	0.2	0.032	0.178	0.2	0.35	0.65
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	13	0.31	0.387	0.81	0.04	0.038	0.194	0.132	0.28	0.485
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	13	0.03	0.093	0.74	0.015	0.039	0.198	0.015	0.045	0.508
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	13	0.1	0.125	0.26	0.01	0.004	0.063	0.042	0.09	0.155
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	13	0.01	0.032	0.24	0.01	0.004	0.064	0.01	0.01	0.015
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	11.5	14.083	40.	10.	69.538	8.339	10.	10.	13.75
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	13	17.	19.077	39.	12.	47.077	6.861	12.4	15.	20.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	13	18.	19.231	32.	16.	16.859	4.106	16.	17.	19.5
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	13 ##	5.	4.5	10.	2.5	4.5	2.121	2.5	2.5	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	13 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	13	2900.	2846.154	4200.	1400.	801025.641	895.	1440.	2050.	3500.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	13 ##	50.	87.692	300.	50.	4919.231	70.137	50.	50.	105.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	4	47.	45.25	60.	27.	266.25	16.317	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	4	1.66	1.632	1.778	1.431	0.028	0.168	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			42.886							
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	5	6.	6.4	11.	2.	10.3	3.209	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	12 ##	0.475	0.775	2.6	0.25	0.533	0.73	0.25	0.25	1.125

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	12	22.	21.2	29.4	9.1	39.651	6.297	9.67	18.85	26.575
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	12	71.6	70.158	85.	48.4	128.635	11.342	49.42	65.9	79.85
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	12	4450.	5775.	12500.	1800.	13428863.636	3664.541	2010.	2637.5	9225.

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Annual Analysis for 1976 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	12	73.	67.417	122.	25.	646.629	25.429	29.2	45.	81.	110.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	161.	154.167	219.	87.	1862.152	43.153	92.4	111.75	191.	213.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	12	152.5	157.667	232.	115.	925.515	30.422	119.2	139.	169.	219.1
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	12	7.95	8.217	10.6	6.2	2.123	1.457	6.32	6.8	9.65	10.42
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	25.	26.667	40.	14.	78.242	8.845	15.2	18.5	35.	38.5
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	12	6.7	6.663	6.85	6.2	0.031	0.177	6.29	6.6	6.8	6.835
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	12	6.7	6.622	6.85	6.2	0.033	0.182	6.29	6.6	6.8	6.835
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	12	0.2	0.239	0.631	0.141	0.018	0.133	0.146	0.158	0.251	0.537
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	12	7.05	7.108	7.7	6.6	0.146	0.382	6.63	6.725	7.45	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	12	7.047	6.974	7.7	6.6	0.166	0.407	6.63	6.725	7.45	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	12	0.09	0.106	0.251	0.02	0.006	0.078	0.02	0.036	0.189	0.236
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	12	18.5	19.083	24.	14.	8.265	2.875	14.6	17.25	21.	23.7
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	4	34.5	35.5	55.	18.	237.667	15.416	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	4	8.	6.5	9.	1.	14.333	3.786	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.05	0.064	0.12	0.05	0.001	0.026	0.05	0.05	0.088	0.114
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	12 ##	0.015	0.016	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.027
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.03	0.034	0.08	0.01	0.001	0.026	0.01	0.01	0.058	0.077
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	12	0.6	0.567	0.7	0.4	0.01	0.098	0.4	0.5	0.6	0.7
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	11	0.19	0.169	0.26	0.	0.006	0.075	0.022	0.12	0.22	0.256
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	12	0.03	0.049	0.15	0.015	0.001	0.037	0.02	0.03	0.06	0.129
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	11	0.07	0.063	0.09	0.04	0.	0.017	0.04	0.04	0.07	0.088
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	12	0.01	0.016	0.05	0.005	0.	0.013	0.005	0.01	0.02	0.044
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	10.5	10.833	18.	2.	16.697	4.086	3.8	8.5	13.	17.4
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	12	21.	21.5	31.	15.	18.091	4.253	15.6	18.5	23.	29.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	12	21.5	20.75	32.	7.	38.023	6.166	9.4	18.	24.5	30.2
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	12 ##	5.	6.25	20.	5.	18.75	4.33	5.	5.	5.	15.5
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	12 ##	5.	7.5	20.	5.	34.091	5.839	5.	5.	5.	20.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	12 ##	25.	30.833	70.	25.	203.788	14.275	25.	25.	25.	64.
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	12	2600.	2632.5	4100.	1600.	427238.636	653.635	1621.	2332.5	2975.	3788.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	12 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	12 ##	50.	55.	110.	50.	300.	17.321	50.	50.	50.	92.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	4	76.	169.75	500.	27.	49732.917	223.009	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	4	1.835	1.95	2.699	1.431	0.313	0.559	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			89.188								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	4	3.	3.5	6.	2.	3.667	1.915	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	12 ##	0.25	0.697	6.	0.01	2.794	1.672	0.067	0.2	0.25	4.275

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Annual Analysis for 1977 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	13	23.8	22.331	32.	7.2	73.102	8.55	8.12	14.5	30.2	32.
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	13	74.8	72.162	89.6	45.	236.548	15.38	46.64	58.1	86.35	89.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	13	3700.	5234.615	13000.	1450.	12810576.923	3579.187	1670.	2500.	8200.	11800.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	10	30.	36.4	70.	20.	230.711	15.189	20.4	24.75	46.25	68.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	2	18.	18.	18.	18.	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	13	195.	185.846	255.	110.	2079.308	45.599	116.	147.5	218.	253.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	12	172.5	167.833	210.	100.	683.242	26.139	115.6	158.25	179.5	203.1
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	13	7.7	8.331	11.6	6.6	2.849	1.688	6.72	7.	9.4	11.56
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	22.5	28.583	75.	8.	388.265	19.704	8.6	14.	42.5	67.5
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	13	7.2	7.177	7.7	6.4	0.117	0.342	6.6	6.95	7.4	7.66
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	13	7.2	7.035	7.7	6.4	0.139	0.372	6.6	6.95	7.4	7.66
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	13	0.063	0.092	0.398	0.02	0.01	0.098	0.022	0.04	0.113	0.289
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	12	7.2	7.075	7.5	6.1	0.131	0.362	6.31	6.925	7.3	7.44

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Annual Analysis for 1977 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	12	7.2	6.867	7.5	6.1	0.178	0.422	6.31	6.925	7.3	7.44
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	12	0.063	0.136	0.794	0.032	0.044	0.211	0.037	0.05	0.119	0.604
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	12	17.5	16.75	24.	6.	21.295	4.615	7.8	14.5	20.	22.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	30.	30.75	47.	14.	90.205	9.498	16.4	22.75	37.	45.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	7.	6.417	12.	1.	9.902	3.147	1.3	3.5	8.	11.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.05	0.05	0.1	0.005	0.	0.02	0.019	0.05	0.05	0.085
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	12 ##	0.01	0.018	0.1	0.01	0.001	0.026	0.01	0.01	0.01	0.076
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.015	0.024	0.06	0.01	0.	0.019	0.01	0.01	0.03	0.06
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	12	0.5	0.667	1.9	0.4	0.168	0.41	0.43	0.5	0.675	1.6
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	12	0.18	0.23	0.58	0.09	0.021	0.146	0.099	0.15	0.263	0.544
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	12	0.03	0.036	0.06	0.015	0.	0.015	0.02	0.03	0.053	0.06
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	12	0.06	0.076	0.19	0.03	0.002	0.047	0.033	0.05	0.085	0.178
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	12 ##	0.008	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.018	0.02
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	8.5	10.25	18.	6.	20.75	4.555	6.	6.25	15.25	17.7
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	12	24.	21.667	26.	10.	24.424	4.942	11.2	20.25	24.75	26.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	12	23.	22.833	26.	18.	5.242	2.29	18.6	21.25	24.75	25.7
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	12 ##	17.5	17.5	25.	10.	61.364	7.833	10.	10.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	12	1460.	3031.667	20000.	880.	28743106.061	5361.26	931.	1112.5	2010.	14690.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	12 ##	25.	27.917	60.	25.	102.083	10.104	25.	25.	25.	49.5
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	12 ##	22.5	28.75	50.	10.	318.75	17.854	10.	10.	50.	50.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	4	54.	329.625	1210.	0.5	345107.229	587.458	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	4	1.732	1.562	3.083	-0.301	1.947	1.395	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			36.445								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	3	5.	4.667	6.	3.	2.333	1.528	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	3	0.5	0.5	1.	0.	0.25	0.5	**	**	**	**
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	2	106.	106.	112.	100.	72.	8.485	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	12 ##	0.1	0.2	0.6	0.1	0.029	0.171	0.1	0.1	0.2	0.57

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Annual Analysis for 1978 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	12	22.5	21.625	32.	6.3	78.346	8.851	7.11	13.825	29.975	31.7
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	10	75.75	75.01	90.	48.	194.203	13.936	48.83	68.075	86.5	89.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	12	2175.	2257.25	6400.	720.	2665036.205	1632.494	729.	848.75	2787.5	5590.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	10	41.5	45.2	78.	25.	272.178	16.498	25.5	31.5	56.75	76.4
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	4	11.	12.25	17.	10.	10.25	3.202	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	187.5	179.917	222.	80.	1547.174	39.334	101.	160.	209.5	221.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	186.	178.667	209.	126.	1061.467	32.58	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	12	8.05	8.492	13.4	6.2	3.73	1.931	6.35	7.4	9.225	12.53
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	25.	26.417	60.	12.	167.72	12.951	12.6	16.	29.5	53.4
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	11	7.1	7.191	7.8	6.9	0.091	0.302	6.9	6.9	7.5	7.74
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	11	7.1	7.112	7.8	6.9	0.098	0.313	6.9	6.9	7.5	7.74
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	11	0.079	0.077	0.126	0.016	0.002	0.041	0.019	0.032	0.126	0.126
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	5	6.8	6.84	7.1	6.6	0.043	0.207	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	5	6.8	6.802	7.1	6.6	0.045	0.212	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	5	0.158	0.158	0.251	0.079	0.005	0.071	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	12	21.5	22.917	36.	12.	45.72	6.762	13.5	17.75	27.	34.8
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	22.5	25.917	62.	5.	248.811	15.774	5.9	13.25	36.	54.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	4.5	4.125	6.	1.5	3.051	1.747	1.5	2.125	5.75	6.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.02	0.028	0.06	0.005	0.	0.019	0.005	0.013	0.048	0.057
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	4 ##	0.005	0.009	0.02	0.005	0.	0.008	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.05	0.068	0.16	0.05	0.001	0.037	0.05	0.05	0.073	0.151

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Annual Analysis for 1978 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	12	0.75	0.729	0.9	0.5	0.023	0.15	0.512	0.573	0.89	0.9
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	7 ##	0.055	0.054	0.055	0.05	0.	0.002	**	**	**	**
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	10	0.18	0.196	0.31	0.15	0.003	0.052	0.15	0.15	0.24	0.303
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	10	0.06	0.052	0.06	0.015	0.	0.016	0.017	0.053	0.06	0.06
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	11	0.06	0.067	0.1	0.05	0.	0.017	0.05	0.05	0.08	0.098
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	11	0.02	0.018	0.02	0.005	0.	0.005	0.006	0.02	0.02	0.02
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	6.5	8.083	14.	5.	9.538	3.088	5.	6.	10.	13.7
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	12	27.5	25.	30.	14.	23.455	4.843	15.5	21.	28.	29.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	11	21.	19.727	24.	11.	19.418	4.407	11.4	17.	23.	24.
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	6 ##	10.	9.167	10.	5.	4.167	2.041	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	6 ##	10.	9.167	10.	5.	4.167	2.041	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	6 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	6	2350.	2095.	3100.	370.	900550.	948.973	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	6 ##	10.	12.5	25.	10.	37.5	6.124	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	6 ##	10.	13.333	30.	10.	66.667	8.165	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	8	18.	37.5	140.	10.	1973.429	44.423	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	8	1.255	1.374	2.146	1.	0.175	0.418	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			23.653								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	9	10.	10.333	19.	5.	17.75	4.213	5.	7.	12.5	19.
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	9	2.	2.222	5.	0.5	2.132	1.46	0.5	1.25	3.	5.
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	11	149.	148.091	184.	117.	459.491	21.436	119.	130.	163.	182.8
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	6 ##	0.25	0.183	0.25	0.	0.012	0.108	**	**	**	**

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Annual Analysis for 1979 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	12	21.3	18.792	29.2	6.	59.677	7.725	6.96	11.55	24.875	28.84
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	12	70.35	65.85	84.6	42.8	192.761	13.884	44.54	52.95	76.775	83.94
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	12	12250.	11585.417	19000.	2075.	32670506.629	5715.812	2412.5	7250.	17500.	18790.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	11	65.	62.545	103.	16.	430.273	20.743	23.4	53.	70.	97.4
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	128.5	129.	170.	70.	978.182	31.276	78.4	106.25	159.	169.7
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	12	7.4	7.883	11.7	5.7	4.3	2.074	5.7	5.875	9.35	11.49
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	33.5	35.25	69.	4.	348.386	18.665	8.8	21.5	50.75	65.7
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	12	6.75	6.7	7.4	6.2	0.096	0.31	6.26	6.5	6.875	7.25
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	12	6.747	6.61	7.4	6.2	0.105	0.324	6.26	6.5	6.875	7.25
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	12	0.179	0.245	0.631	0.04	0.026	0.16	0.066	0.134	0.316	0.561
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	12	18.	19.667	36.	12.	36.242	6.02	13.2	16.25	20.75	32.7
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	12 ##	0.5	0.375	0.5	0.	0.051	0.226	0.	0.125	0.5	0.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	21.5	26.833	55.	16.	163.788	12.798	16.	19.	38.75	51.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	3.	3.333	7.	1.5	3.788	1.946	1.5	1.5	4.	7.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.01	0.02	0.07	0.005	0.001	0.024	0.005	0.005	0.02	0.07
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.13	0.117	0.2	0.05	0.003	0.055	0.05	0.05	0.155	0.197
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	12	0.72	0.737	1.3	0.3	0.07	0.264	0.33	0.603	0.88	1.21
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	12	0.135	0.119	0.2	0.04	0.003	0.055	0.045	0.055	0.158	0.197
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	12	0.21	0.231	0.34	0.18	0.004	0.061	0.18	0.18	0.303	0.331
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	12	0.03	0.039	0.09	0.015	0.001	0.026	0.015	0.015	0.06	0.081
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	12	0.07	0.076	0.11	0.06	0.	0.019	0.06	0.06	0.098	0.107
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	12	0.01	0.013	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.027
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	11	11.	11.455	20.	6.	18.673	4.321	6.	8.	14.	19.2
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	12	17.	16.5	20.	7.	14.636	3.826	8.8	14.5	20.	20.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	12	14.5	14.25	20.	10.	9.841	3.137	10.	11.25	16.75	19.1
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	1	2300.	2300.	2300.	2300.	0.	0.	**	**	**	**

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Annual Analysis for 1979 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051 LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616p FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	75.	397.583	3000.	0.5	735493.674	857.609	0.5	15.	300.	2370.
31616p LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	1.866	1.707	3.477	-0.301	1.319	1.148	-0.301	1.119	2.469	3.32
31616p GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12		50.91								
32211p CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	12	6.	6.167	10.	3.	5.606	2.368	3.3	4.	8.	10.
32218p PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	12	2.	2.167	4.	0.5	1.561	1.249	0.5	1.	3.	4.
70300p RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	12	121.5	126.167	169.	96.	355.97	18.867	101.4	114.5	132.75	163.3
71900 MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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Annual Analysis for 1980 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	12	21.7	21.492	31.2	10.8	52.624	7.254	11.58	14.575	28.85	30.96
00011p TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	12	71.1	70.692	88.2	51.4	170.863	13.071	52.81	58.25	83.95	87.75
00061 FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	12	5500.	6933.333	13500.	2450.	18780151.515	4333.607	2555.	2937.5	11725.	13350.
00070p TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00077p TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	11	19.	18.818	25.	15.	9.964	3.157	15.	16.	20.	24.6
00094p SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	177.5	195.083	279.	156.	1586.811	39.835	157.8	164.25	233.	267.3
00300p OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	12	7.8	7.95	9.5	6.5	1.239	1.113	6.5	7.1	9.15	9.47
00335p COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	19.5	19.167	31.	5.	57.424	7.578	5.	18.25	23.75	29.5
00400p PH (STANDARD UNITS)	03/20/72-06/16/93	8	6.65	6.625	7.2	5.8	0.194	0.44	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	8	6.647	6.406	7.2	5.8	0.248	0.498	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	8	0.225	0.393	1.585	0.063	0.252	0.502	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	12	16.	16.583	19.	14.	2.992	1.73	14.3	15.	18.	19.
00480p SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	27.	26.25	49.	10.	97.659	9.882	12.1	19.25	29.5	45.1
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	4.	3.375	5.	1.5	1.642	1.281	1.5	1.875	4.	5.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.005	0.008	0.02	0.005	0.	0.006	0.005	0.005	0.005	0.02
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.05	0.081	0.14	0.05	0.002	0.04	0.05	0.05	0.13	0.14
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	12	0.675	0.804	2.5	0.2	0.345	0.587	0.26	0.45	0.875	2.08
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	12 ##	0.055	0.083	0.14	0.05	0.001	0.038	0.052	0.055	0.13	0.14
00650p PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	12	0.15	0.145	0.21	0.09	0.002	0.044	0.09	0.098	0.18	0.21
00660p PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	12 ##	0.015	0.023	0.06	0.015	0.	0.018	0.015	0.015	0.015	0.06
00665p PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	12	0.05	0.048	0.07	0.03	0.	0.015	0.03	0.033	0.06	0.07
00671p PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	12 ##	0.005	0.008	0.02	0.005	0.	0.006	0.005	0.005	0.005	0.02
00680p CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	4.5	4.208	8.	1.5	4.566	2.137	1.5	1.875	6.	7.4
00940p CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	12	18.	18.	20.	16.	1.091	1.044	16.3	17.25	18.75	19.7
00945p SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	12	17.	16.333	21.	11.	9.879	3.143	11.3	14.	18.75	20.7
31616p FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	25.	40.875	200.	0.5	2822.824	53.13	3.35	10.	50.	155.
31616p LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	1.389	1.315	2.301	-0.301	0.403	0.635	0.089	1.	1.699	2.12
31616p GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12		20.646								
32211p CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	12	9.	9.667	25.	2.	32.606	5.71	2.3	8.	10.75	21.4
32218p PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	12	2.	1.833	4.	0.5	1.697	1.303	0.5	0.5	2.75	4.
70300p RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	10	119.	124.6	151.	105.	292.489	17.102	105.4	109.	140.5	151.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	13	20.8	20.754	31.	10.5	41.439	6.437	11.62	14.5	26.8	29.68
00011p TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	12	71.75	69.75	87.8	50.9	144.059	12.002	52.4	57.3	80.525	86.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	13	2250.	2649.615	9200.	340.	5192976.923	2278.81	412.	1487.5	2705.	7520.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	12	14.	15.592	32.	0.1	67.983	8.245	2.17	12.25	21.75	29.6
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	193.5	205.833	313.	140.	2302.333	47.983	143.	179.25	233.25	296.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	13	8.1	8.123	10.8	5.9	2.672	1.635	5.98	6.7	9.45	10.72
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	24.5	31.	100.	11.	576.727	24.015	11.6	17.75	34.5	84.4
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	13	6.5	6.546	7.1	6.	0.111	0.333	6.08	6.3	6.9	7.02
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	13	6.5	6.437	7.1	6.	0.124	0.352	6.08	6.3	6.9	7.02
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	13	0.316	0.366	1.	0.079	0.069	0.262	0.098	0.126	0.501	0.852
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	13	22.	23.231	43.	14.	51.692	7.19	14.8	20.	25.5	37.4
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	29.5	35.667	122.	13.	791.152	28.127	15.1	21.75	35.75	96.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	4.5	4.583	10.	1.5	4.765	2.183	1.5	4.	5.	8.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.008	0.025	0.15	0.005	0.002	0.042	0.005	0.005	0.028	0.12
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.05	0.066	0.12	0.05	0.001	0.029	0.05	0.05	0.088	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	13	0.6	0.73	1.9	0.2	0.179	0.423	0.24	0.5	0.9	1.54
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	12 ##	0.055	0.067	0.12	0.02	0.001	0.03	0.031	0.055	0.089	0.12
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	12	0.245	0.235	0.37	0.12	0.007	0.085	0.12	0.158	0.31	0.352
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	12 ##	0.015	0.03	0.18	0.015	0.002	0.047	0.015	0.015	0.015	0.135
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	13	0.07	0.074	0.12	0.04	0.001	0.028	0.04	0.045	0.1	0.112
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	13 ##	0.005	0.01	0.06	0.005	0.	0.015	0.005	0.005	0.008	0.04
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	6.	9.167	48.	1.5	156.47	12.509	1.5	4.	8.	36.6
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	13	20.	21.	27.	15.	16.5	4.062	15.8	17.	25.	26.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	13	14.	14.692	22.	9.	23.564	4.854	9.	9.5	19.	21.6
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	1	40.	40.	40.	40.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	25.	31.917	90.	0.5	814.22	28.535	0.5	10.	55.	84.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	1.389	1.179	1.954	-0.301	0.569	0.754	-0.301	1.	1.734	1.921
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	GEOMETRIC MEAN =	15.085								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	12	10.5	11.917	20.	6.	27.902	5.282	6.	6.75	17.5	20.
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	12	3.	3.208	7.	0.5	4.248	2.061	0.65	1.25	4.75	6.7
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	2	116.5	116.5	122.	111.	60.5	7.778	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	18	21.05	20.844	32.	8.2	53.077	7.285	11.62	14.525	29.225	30.2
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	12	69.9	70.692	90.	46.8	193.757	13.92	49.5	59.125	85.8	88.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	18	2760.	4220.556	17400.	1700.	16251429.085	4031.306	1700.	2065.	4075.	11865.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	11	12.	17.091	36.	10.	73.291	8.561	10.2	12.	24.	34.4
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	12	258.	242.583	330.	110.	3586.811	59.89	130.1	208.5	279.5	321.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	169.5	160.	200.	100.	1150.	33.912	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	18	8.25	8.383	13.	6.1	4.146	2.036	6.19	6.5	9.925	11.92
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	19.	17.417	34.	5.	120.083	10.958	5.	5.	27.	32.5
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	17	6.4	6.565	7.4	6.	0.191	0.437	6.	6.2	6.8	7.32
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	17	6.4	6.398	7.4	6.	0.221	0.47	6.	6.2	6.8	7.32
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	17	0.398	0.4	1.	0.04	0.098	0.313	0.048	0.158	0.631	1.
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	18	19.5	18.944	25.	10.	13.703	3.702	12.7	16.75	22.	23.2
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	28.	32.667	54.	15.	137.152	11.711	16.5	26.25	40.25	52.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	5.	5.625	14.	1.5	10.051	3.17	1.95	4.	6.75	12.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.01	0.015	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.037
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.08	0.092	0.17	0.05	0.002	0.046	0.05	0.05	0.128	0.164
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	18	0.75	0.856	3.	0.3	0.345	0.587	0.48	0.575	0.9	1.56
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	12 ##	0.083	0.094	0.17	0.05	0.002	0.044	0.052	0.055	0.128	0.164
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	12	0.225	0.241	0.34	0.15	0.004	0.062	0.159	0.188	0.31	0.331
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	17	0.03	0.041	0.12	0.015	0.001	0.033	0.015	0.015	0.06	0.096
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	18	0.07	0.073	0.11	0.03	0.	0.022	0.048	0.058	0.093	0.101
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	18 ##	0.008	0.013	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.031
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	9.	8.833	15.	5.	11.061	3.326	5.	5.25	11.75	14.1
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	18	24.5	23.667	32.	11.	30.588	5.531	14.6	21.	27.25	32.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	18	22.	21.222	28.	14.	16.536	4.066	14.9	17.5	24.	26.2
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	3	1700.	1706.667	2500.	920.	624133.333	790.021	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	3	7.	8.667	18.	1.	74.333	8.622	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	3	20.	20.	30.	10.	100.	10.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	20.	48.125	180.	0.5	3131.188	55.957	1.85	5.75	91.	159.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	1.301	1.298	2.255	-0.301	0.53	0.728	-0.001	0.75	1.952	2.191
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	1.301	1.298	2.255	-0.301	0.53	0.728	-0.001	0.75	1.952	2.191
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	11	8.	9.273	17.	3.	20.818	4.563	3.4	6.	14.	16.6
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	11	3.	3.409	10.	0.5	8.291	2.879	0.5	0.5	5.	9.2
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	8	108.	112.125	131.	95.	154.982	12.449	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	18	21.75	20.722	31.	10.5	44.239	6.651	10.95	14.775	25.35	30.1
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	12	70.6	68.692	88.	50.9	173.226	13.162	51.23	53.35	77.8	86.92
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	17	7000.	8904.118	17500.	2300.	28523388.235	5340.729	2324.	4570.	15000.	16380.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	12	13.5	13.75	22.	8.	11.114	3.334	9.2	12.	14.	20.5
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	9	147.	165.889	348.	70.	6068.361	77.9	70.	121.5	190.	348.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	7	141.	138.143	161.	81.	775.476	27.847	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	18	8.2	8.239	11.2	5.8	2.592	1.61	6.07	6.75	9.65	10.48
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	11	25.	26.455	44.	5.	118.473	10.885	8.	20.	32.	43.6
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	17	6.6	6.675	7.5	6.1	0.152	0.39	6.18	6.4	6.9	7.42
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	17	6.6	6.538	7.5	6.1	0.172	0.415	6.18	6.4	6.9	7.42
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	17	0.251	0.29	0.794	0.032	0.048	0.219	0.038	0.126	0.398	0.664
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	18	18.	17.389	26.	6.	18.134	4.258	11.4	15.75	20.	21.5
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	11 ##	0.5	0.304	0.5	0.06	0.051	0.226	0.06	0.06	0.5	0.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	30.	32.	52.	13.	154.364	12.424	14.8	21.75	42.5	51.1
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	5.	6.542	17.	1.5	21.248	4.61	1.95	3.	8.	15.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.025	0.048	0.33	0.01	0.008	0.089	0.01	0.013	0.03	0.243
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.07	0.091	0.23	0.03	0.004	0.06	0.033	0.05	0.108	0.215
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	17	0.6	0.671	1.3	0.2	0.065	0.254	0.44	0.5	0.8	1.06
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	11	0.08	0.097	0.23	0.04	0.004	0.061	0.042	0.05	0.14	0.22
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	12	0.24	0.228	0.28	0.13	0.002	0.044	0.145	0.21	0.27	0.28
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	13	0.06	0.059	0.18	0.015	0.002	0.042	0.021	0.03	0.06	0.144
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	18	0.07	0.068	0.09	0.03	0.	0.019	0.039	0.055	0.08	0.09
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	18	0.02	0.018	0.06	0.005	0.	0.012	0.01	0.01	0.02	0.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	8.	8.417	14.	4.	7.72	2.778	4.6	6.5	9.	13.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/25/71-06/16/93	18	18.5	19.167	35.	11.	27.676	5.261	12.8	16.5	21.25	26.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	18	19.	18.333	23.	12.	13.294	3.646	12.	15.5	21.25	23.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	8	38.	90.625	360.	17.	13348.839	115.537	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	8	1.579	1.73	2.556	1.23	0.197	0.444	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			53.714								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	11	5.	5.045	9.	0.5	7.323	2.706	0.8	2.	7.	8.8
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	11	2.	3.	6.	0.5	4.95	2.225	0.5	1.	5.	6.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	11	106.	104.636	137.	69.	328.455	18.123	73.	91.	118.	133.6

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Annual Analysis for 1984 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	20	22.8	21.225	31.	10.5	52.624	7.254	11.1	13.5	28.075	30.8
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	14	69.65	69.1	87.8	52.	168.148	12.967	53.	55.	82.4	85.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	17	3400.	5172.353	17000.	2550.	18732344.118	4328.088	2670.	2950.	4325.	14120.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	12	14.	15.083	22.	12.	10.447	3.232	12.	12.5	17.25	21.4
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	9	151.	147.889	190.	100.	676.361	26.007	100.	130.	162.5	190.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	145.	138.667	154.	109.	261.867	16.182	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	20	7.75	8.22	10.5	6.6	1.517	1.232	6.72	7.3	8.9	10.29
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	14.5	16.917	44.	5.	168.811	12.993	5.	5.	23.75	42.2
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	18	6.5	6.661	7.6	6.	0.135	0.368	6.36	6.475	6.825	7.33
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	18	6.5	6.543	7.6	6.	0.15	0.388	6.36	6.475	6.825	7.33
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	18	0.316	0.287	1.	0.025	0.046	0.214	0.048	0.15	0.337	0.458
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	18	18.	17.389	21.	10.	6.84	2.615	14.5	16.	20.	20.1
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	12 ##	0.5	0.542	1.	0.5	0.021	0.144	0.5	0.5	0.5	0.85
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	24.	24.25	45.	11.	111.114	10.541	11.9	14.25	32.	42.3
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	4.	4.792	11.	1.5	5.884	2.426	1.95	3.25	5.75	9.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.02	0.018	0.04	0.005	0.	0.01	0.005	0.01	0.02	0.037
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.13	0.118	0.23	0.05	0.003	0.058	0.05	0.05	0.158	0.212
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	18	0.6	0.55	1.	0.2	0.04	0.201	0.29	0.4	0.625	0.82
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	12	0.135	0.119	0.23	0.05	0.003	0.059	0.05	0.05	0.158	0.212
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	12	0.195	0.188	0.28	0.09	0.003	0.053	0.108	0.15	0.233	0.268
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	12	0.03	0.029	0.06	0.015	0.	0.016	0.015	0.015	0.03	0.06
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	18	0.06	0.061	0.09	0.03	0.	0.015	0.039	0.05	0.07	0.081
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	18	0.01	0.013	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.03
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	9.5	9.75	18.	6.	11.295	3.361	6.	7.	11.75	16.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/25/71-06/16/93	18	18.5	17.944	25.	12.	8.526	2.92	12.9	16.5	19.	21.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	18	18.	18.389	25.	10.	15.428	3.928	13.6	15.75	22.25	23.2
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	11	68.	136.364	700.	8.	40511.855	201.276	10.	20.	140.	614.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	11	1.833	1.814	2.845	0.903	0.306	0.553	0.974	1.301	2.146	2.762
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			65.142								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	8	5.	4.063	6.	0.5	4.888	2.211	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	8 ##	1.25	2.5	8.	0.5	7.286	2.699	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	11	101.	117.818	224.	95.	1389.964	37.282	95.4	97.	125.	205.2

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Annual Analysis for 1985 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	20	21.	20.625	30.	8.	62.181	7.885	8.52	12.875	28.725	30.
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	11	72.	69.218	86.	47.3	198.94	14.105	47.66	52.	81.1	85.72

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Annual Analysis for 1985 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	18	3835.	5996.667	12400.	1900.	1465588.824	3828.297	2557.	3187.5	10475.	12400.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	11	12.	12.636	22.	6.	19.055	4.365	6.4	9.	15.	20.8
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	13	160.	154.077	210.	95.	829.744	28.805	101.	143.5	169.	194.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	7	154.	150.286	173.	125.	339.238	18.418	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	20	8.3	8.49	12.4	6.4	2.54	1.594	6.61	7.525	9.325	11.13
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	23.5	24.167	35.	13.	47.424	6.887	14.2	18.5	29.5	35.
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	19	7.	6.955	8.25	5.9	0.233	0.483	6.4	6.6	7.1	7.5
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	19	7.	6.714	8.25	5.9	0.295	0.543	6.4	6.6	7.1	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	19	0.1	0.193	1.259	0.006	0.076	0.276	0.032	0.079	0.251	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	18	17.	17.278	25.	12.	11.154	3.34	13.8	14.	20.	22.3
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	12 ##	0.5	0.318	0.5	0.06	0.05	0.225	0.06	0.063	0.5	0.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	32.5	31.583	70.	8.	338.992	18.412	8.9	15.25	43.	64.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	5.	6.292	12.	1.5	12.839	3.583	1.65	4.	10.5	11.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	13	0.02	0.025	0.08	0.01	0.	0.021	0.01	0.01	0.035	0.068
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.065	0.08	0.2	0.005	0.004	0.062	0.005	0.025	0.128	0.182
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	18	0.75	0.756	2.	0.2	0.187	0.433	0.29	0.4	0.825	1.55
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	12	0.065	0.081	0.2	0.005	0.004	0.061	0.005	0.033	0.128	0.182
00650p	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	9	0.21	0.211	0.28	0.15	0.002	0.042	0.15	0.18	0.24	0.28
00660p	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	9 ##	0.015	0.02	0.03	0.015	0.	0.007	0.015	0.015	0.03	0.03
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	18	0.06	0.065	0.12	0.005	0.001	0.024	0.028	0.058	0.08	0.093
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	18	0.01	0.01	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.021
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	8.	9.	19.	4.	16.909	4.112	4.3	6.25	11.5	17.2
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	18	20.5	20.444	27.	15.	9.908	3.148	15.9	18.5	22.25	24.3
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	18	20.	20.5	30.	16.	16.147	4.018	16.	16.75	23.25	26.4
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	10	104.	158.2	477.	13.	23726.622	154.034	13.8	21.75	272.5	457.3
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	10	2.012	1.942	2.679	1.114	0.306	0.553	1.135	1.337	2.435	2.655
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			87.474								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	9	4.	4.056	12.	0.5	14.715	3.836	0.5	0.5	6.5	12.
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	9	3.	5.778	14.	1.	28.944	5.38	1.	1.	12.	14.
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	18	126.5	122.722	158.	94.	396.448	19.911	94.	105.25	139.25	149.

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Annual Analysis for 1986 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	23	21.	20.848	30.	10.5	41.012	6.404	12.22	15.1	26.9	28.94
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	18	4360.	6196.111	16000.	170.	17971260.458	4239.252	2195.	3060.	9500.	12400.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	12	12.	12.083	17.	9.	6.447	2.539	9.	11.	12.	17.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	15	140.	137.6	170.	76.	925.971	30.43	76.6	136.	156.	168.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	156.5	154.5	172.	124.	317.5	17.819	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	23	7.8	7.843	11.	4.3	3.379	1.838	4.8	6.8	8.9	10.72
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	12	22.	25.375	50.	2.5	164.324	12.819	6.25	17.	34.	47.3
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	23	7.	7.083	8.6	6.	0.322	0.568	6.28	6.9	7.3	7.8
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	23	7.	6.778	8.6	6.	0.419	0.647	6.28	6.9	7.3	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	23	0.1	0.167	1.	0.003	0.053	0.231	0.016	0.05	0.126	0.538
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	18	20.5	20.278	26.	10.	21.154	4.599	12.7	17.75	24.25	26.
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	12	0.07	0.068	0.1	0.05	0.	0.012	0.053	0.06	0.07	0.091
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	37.5	37.25	55.	24.	61.841	7.864	25.8	31.5	41.25	51.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	5.	5.083	10.	2.	4.265	2.065	2.3	4.	6.	9.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	18	0.015	0.024	0.11	0.01	0.001	0.025	0.01	0.01	0.03	0.056
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12 ##	0.005	0.026	0.08	0.005	0.001	0.029	0.005	0.005	0.06	0.074
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	18	0.6	0.594	0.9	0.3	0.035	0.186	0.3	0.475	0.725	0.9
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	12	0.015	0.039	0.1	0.005	0.002	0.039	0.005	0.005	0.08	0.094
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	18	0.055	0.059	0.12	0.005	0.001	0.031	0.01	0.04	0.07	0.12
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	18	0.01	0.014	0.05	0.005	0.	0.012	0.005	0.009	0.02	0.041
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	7.5	8.5	15.	6.	7.	2.646	6.	7.	9.	14.1

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Annual Analysis for 1986 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/25/71-06/16/93	18	21.	21.056	44.	9.	47.703	6.907	14.4	17.75	23.	27.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	18	20.	20.056	26.	11.	14.644	3.827	14.6	18.	23.25	25.1
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	9	40.	75.556	233.	25.	4752.528	68.939	25.	28.	107.5	233.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	9	1.602	1.747	2.367	1.398	0.117	0.342	1.398	1.447	2.02	2.367
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			55.885								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	12	4.	7.	29.	1.	58.545	7.652	1.	3.	9.75	23.3
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	12	3.25	3.292	7.	1.	4.112	2.028	1.	1.25	4.75	6.7
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	18	113.	117.278	161.	100.	302.33	17.388	100.9	103.75	121.	149.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	18	20.75	20.894	30.9	10.	46.043	6.785	10.9	14.75	26.925	29.64
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	18	3650.	6203.	20600.	2370.	25005347.882	5000.535	2460.	3042.5	8450.	15110.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	12	11.	11.917	23.	7.	19.902	4.461	7.3	8.5	13.5	21.2
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	11	125.	122.545	157.	72.	627.473	25.049	76.	110.	139.	156.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	7	146.	136.714	162.	80.	837.905	28.947	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	18	7.95	8.2	12.	5.2	3.501	1.871	5.92	6.775	9.3	11.28
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	11	21.	24.636	40.	14.	102.055	10.102	14.2	15.	36.	39.4
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	18	6.7	6.726	7.8	5.9	0.281	0.53	5.99	6.428	6.925	7.8
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	18	6.7	6.488	7.8	5.9	0.341	0.584	5.99	6.427	6.925	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	18	0.2	0.325	1.259	0.016	0.114	0.337	0.016	0.119	0.379	1.026
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	18	19.	19.167	27.	11.	22.265	4.719	13.7	15.	23.	26.1
00480p	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	9	0.06	0.06	0.07	0.05	0.	0.007	0.05	0.055	0.065	0.07
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	41.5	104.583	805.	8.	49036.265	221.441	8.6	34.25	60.	586.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	12	6.	8.75	39.	1.	99.477	9.974	1.3	3.75	9.5	30.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	18	0.02	0.024	0.08	0.005	0.	0.019	0.01	0.01	0.03	0.053
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	12	0.01	0.023	0.08	0.005	0.001	0.024	0.005	0.005	0.04	0.071
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	17	0.5	0.706	2.1	0.4	0.201	0.448	0.4	0.4	0.75	1.46
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	11	0.02	0.03	0.1	0.005	0.001	0.03	0.005	0.005	0.05	0.092
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	18	0.06	0.072	0.18	0.03	0.002	0.044	0.03	0.038	0.09	0.153
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	18	0.015	0.027	0.14	0.005	0.001	0.036	0.005	0.009	0.023	0.104
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	12	7.	8.583	15.	5.	11.538	3.397	5.3	6.25	11.75	14.7
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	18	17.5	17.056	25.	12.	11.703	3.421	12.	14.5	19.25	20.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	18	19.	18.833	29.	7.	23.441	4.842	10.6	16.75	21.25	25.4
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	108.5	226.167	840.	8.	76151.788	275.956	12.2	39.	457.5	768.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	12	2.035	2.015	2.924	0.903	0.376	0.613	1.035	1.588	2.63	2.88
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93			103.51								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	12	5.	5.317	12.	1.	14.222	3.771	1.3	2.	8.5	11.7
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	12	3.	3.167	6.	0.	4.333	2.082	0.3	1.25	5.	6.
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	17	104.	192.	1615.	77.	134759.625	367.096	79.4	89.	121.	430.2

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Annual Analysis for 1988 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	15	22.3	20.26	30.	6.2	64.16	8.01	7.28	13.	27.2	28.92
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	15	3820.	4878.	9910.	2700.	5384545.714	2320.462	2724.	3570.	6000.	9364.
00077p	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	9	16.	15.333	24.	10.	18.	4.243	10.	11.5	17.	24.

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Annual Analysis for 1988 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	9	162.	156.667	170.	131.	170.5	13.058	131.	145.5	166.5	170.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	159.5	152.5	162.	118.	294.3	17.155	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	15	8.2	8.74	12.2	6.6	3.411	1.847	6.66	7.6	10.8	12.14
00335p	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	15	7.	7.067	7.5	6.7	0.052	0.229	6.76	7.	7.2	7.5
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	15	7.	7.015	7.5	6.7	0.055	0.235	6.76	7.	7.2	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	15	0.1	0.097	0.2	0.032	0.002	0.047	0.032	0.063	0.1	0.175
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	15	22.	21.2	35.	10.	34.886	5.906	12.4	18.	24.	30.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	9	26.	27.444	44.	11.	108.778	10.43	11.	20.	36.5	44.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	9	5.	5.111	10.	2.	5.611	2.369	2.	3.5	6.5	10.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	15	0.02	0.022	0.06	0.005	0.	0.014	0.005	0.01	0.03	0.048
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	5	0.01	0.011	0.02	0.005	0.	0.005	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	9	0.01	0.012	0.04	0.005	0.	0.011	0.005	0.005	0.015	0.04
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	11	0.5	0.527	0.6	0.4	0.006	0.079	0.4	0.5	0.6	0.6
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	15	0.05	0.05	0.1	0.03	0.	0.017	0.03	0.04	0.05	0.082
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	15	0.02	0.022	0.1	0.005	0.001	0.024	0.005	0.01	0.02	0.064
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	9	7.	7.667	13.	6.	5.	2.236	6.	6.	8.5	13.
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	15	19.	18.4	22.	13.	7.686	2.772	13.	17.	20.	21.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	15	21.	20.533	26.	8.	17.552	4.19	13.4	20.	24.	24.8
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	9	52.	45.222	83.	7.	724.694	26.92	7.	16.	68.5	83.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	9	1.716	1.546	1.919	0.845	0.138	0.371	0.845	1.203	1.836	1.919
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			35.171								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	8	2.5	2.875	5.	1.	2.696	1.642	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	8	3.	2.375	4.	1.	1.411	1.188	**	**	**	**
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	11	106.	106.818	126.	89.	86.164	9.282	91.4	103.	112.	124.

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Annual Analysis for 1989 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	8	22.35	22.713	28.	15.	20.661	4.545	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	6	4345.	7881.667	28000.	2290.	99578056.667	9978.881	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	2	141.5	141.5	147.	136.	60.5	7.778	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	133.	132.5	176.	70.	1304.7	36.121	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	8	8.05	7.875	10.	4.7	3.362	1.834	**	**	**	**
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	8	6.85	6.888	7.7	6.4	0.164	0.405	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	8	6.847	6.758	7.7	6.4	0.183	0.428	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	8	0.142	0.175	0.398	0.02	0.016	0.126	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	8	20.	19.	21.	14.	5.429	2.33	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	2	52.	52.	68.	36.	512.	22.627	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	2	6.	6.	9.	3.	18.	4.243	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	8	0.025	0.036	0.1	0.01	0.001	0.032	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	8	0.65	0.713	1.5	0.4	0.118	0.344	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	8	0.065	0.073	0.14	0.05	0.001	0.031	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	8	0.02	0.023	0.05	0.005	0.	0.017	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	8	16.5	16.625	23.	7.	25.411	5.041	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	8	19.	19.	29.	5.	53.714	7.329	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	1	165.	165.	165.	165.	0.	0.	**	**	**	**

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Annual Analysis for 1989 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	1	66.	66.	66.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	1	1.82	1.82	1.82	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	1	66.	66.	66.	0.	0.	**	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	2	2.5	2.5	3.	0.5	0.707	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	2 ##	1.	1.	1.	0.	0.	**	**	**	**
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	7	97.	98.857	125.	77.	342.81	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	1 ##	0.1	0.1	0.1	0.	0.	**	**	**	**

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Annual Analysis for 1990 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	8	17.75	19.113	29.	11.	41.558	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	6	7795.	8435.	16000.	2390.	32972750.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	2	119.	119.	123.	115.	32.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	132.5	127.833	142.	94.	292.167	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	8	8.	8.3	11.	6.3	2.689	**	**	**	**
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	8	6.65	6.788	7.2	6.5	0.09	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	8	6.647	6.71	7.2	6.5	0.097	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	8	0.225	0.195	0.316	0.063	0.011	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	8	15.5	15.313	22.	2.5	36.353	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	2	26.5	26.5	29.	24.	12.5	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	2	5.5	5.5	9.	2.	24.5	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	8	0.03	0.036	0.08	0.005	0.001	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	3 ##	0.005	0.01	0.02	0.005	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	2	0.05	0.05	0.08	0.02	0.002	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	6	0.45	0.5	0.8	0.3	0.032	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	1 ##	0.05	0.05	0.05	0.05	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	8	0.045	0.056	0.1	0.03	0.001	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	8	0.015	0.036	0.09	0.005	0.001	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	2	11.	11.	12.	10.	2.	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	8	15.5	14.75	21.	6.	26.214	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	8	18.5	18.125	23.	14.	7.839	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	2 ##	2.5	2.5	2.5	2.5	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS Cd)	03/27/74-05/15/90	2 ##	0.5	0.5	0.5	0.5	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	2	12.5	12.5	15.	10.	12.5	**	**	**	**
01051	LEAD, TOTAL (UG/L AS Pb)	03/27/74-05/15/90	2 ##	1.5	1.5	1.5	1.5	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS Zn)	03/27/74-05/15/90	2	95.	95.	105.	85.	200.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	2	57.5	57.5	68.	47.	220.5	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	2	1.752	1.752	1.833	1.672	0.013	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	2	56.533	56.533	68.	47.	220.5	**	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	2 ##	2.85	2.85	5.2	0.5	11.045	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	2	3.2	3.2	4.4	2.	2.88	**	**	**	**
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	6	92.	90.167	100.	73.	108.167	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	2 ##	0.1	0.1	0.1	0.1	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	7	24.	23.014	30.	14.	42.401	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	7	14900.	12837.143	20600.	3970.	43937557.143	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	1	107.	107.	107.	107.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	6	125.	123.833	141.	106.	261.767	16.179	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	7	7.6	7.8	10.5	6.	2.123	1.457	**	**	**	**
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	7	6.8	6.886	7.5	6.5	0.108	0.329	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	7	6.8	6.799	7.5	6.5	0.117	0.342	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	7	0.158	0.159	0.316	0.032	0.009	0.093	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	6	15.5	16.333	19.	14.	4.667	2.16	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	1	22.	22.	22.	0.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	1	2.	2.	2.	0.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	7	0.04	0.037	0.06	0.02	0.	0.014	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	7	0.03	0.024	0.03	0.005	0.	0.009	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	6	0.55	0.583	0.9	0.4	0.038	0.194	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	6	0.08	0.085	0.14	0.05	0.001	0.03	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	7	0.06	0.066	0.09	0.05	0.	0.015	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	6	0.015	0.015	0.03	0.005	0.	0.01	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	7	15.	15.143	21.	10.	14.476	3.805	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	7	19.	18.	22.	14.	9.667	3.109	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	1	26.	26.	26.	26.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	1	1.415	1.415	1.415	1.415	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			26.								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	6	81.5	88.	117.	77.	224.	14.967	**	**	**	**

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Annual Analysis for 1992 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	5	19.	20.	29.	8.	83.	9.11	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	5	21100.	17610.	38100.	3430.	205474200.	14334.371	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	5	119.	111.6	128.	80.	353.3	18.796	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	5	7.8	8.28	12.8	6.3	6.887	2.624	**	**	**	**
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	5	6.9	6.78	7.	6.5	0.047	0.217	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	5	6.9	6.736	7.	6.5	0.049	0.222	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	5	0.126	0.184	0.316	0.1	0.009	0.095	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	5	16.	15.6	18.	13.	4.3	2.074	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	5	0.05	0.044	0.06	0.03	0.	0.013	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	5	0.03	0.03	0.04	0.02	0.	0.007	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	5	0.5	0.5	0.6	0.4	0.01	0.1	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	5##	0.025	0.038	0.09	0.025	0.001	0.029	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	5	0.05	0.048	0.07	0.03	0.	0.015	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	5	0.01	0.01	0.02	0.005	0.	0.006	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	5	15.	14.2	18.	9.	10.7	3.271	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	5	16.	15.2	19.	9.	14.2	3.768	**	**	**	**
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	5	83.	81.8	89.	70.	52.7	7.259	**	**	**	**

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Annual Analysis for 1993 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	1	29.8	29.8	29.8	29.8	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	1	3360.	3360.	3360.	3360.	0.	0.	**	**	**	**

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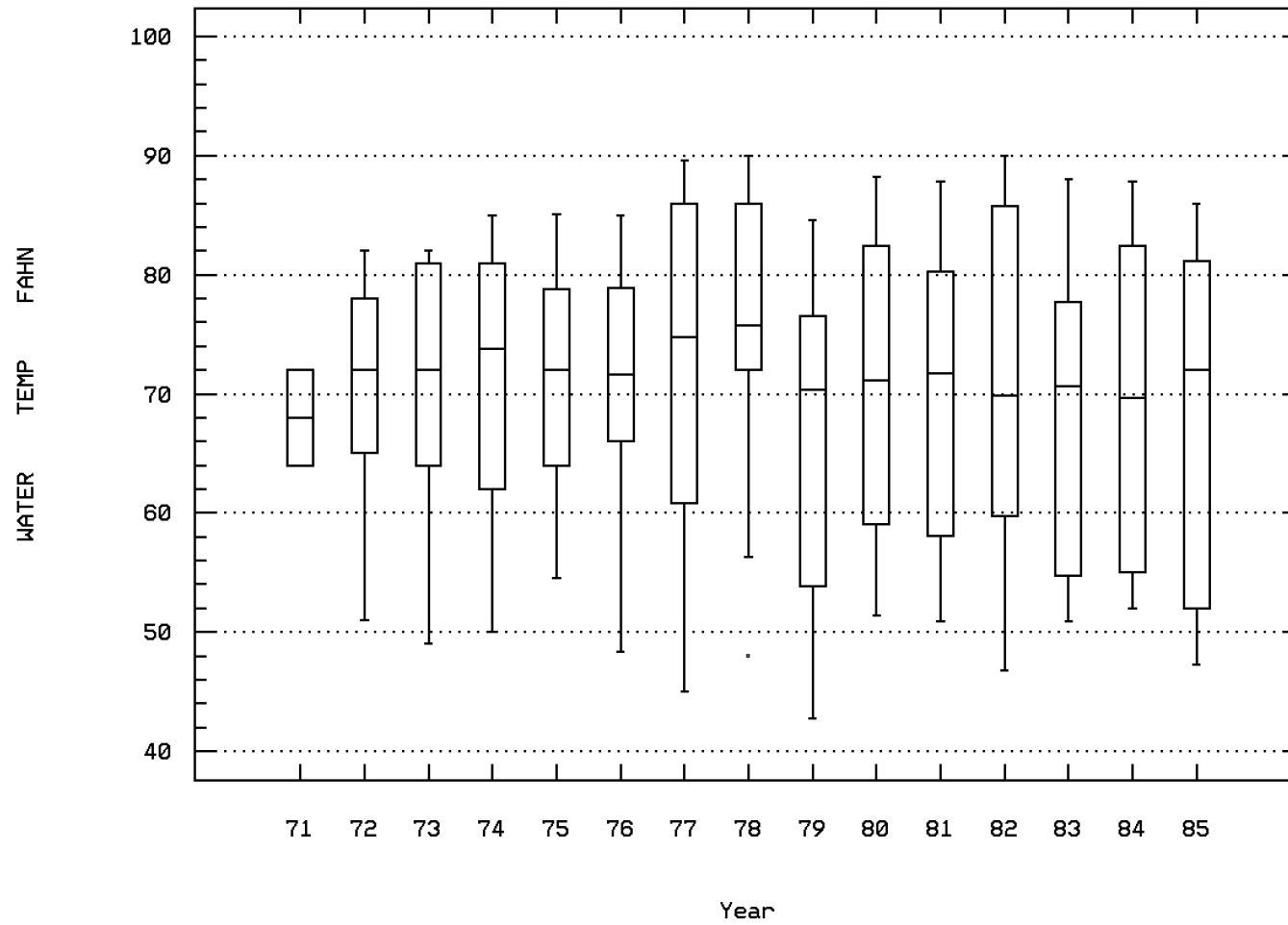
Annual Analysis for 1993 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	03/20/72-06/16/93	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	1	25.	25.	25.	25.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	1	1.398	1.398	1.398	1.398	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			25.								
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**

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Station: BITH0034 Parameter Code: 00011

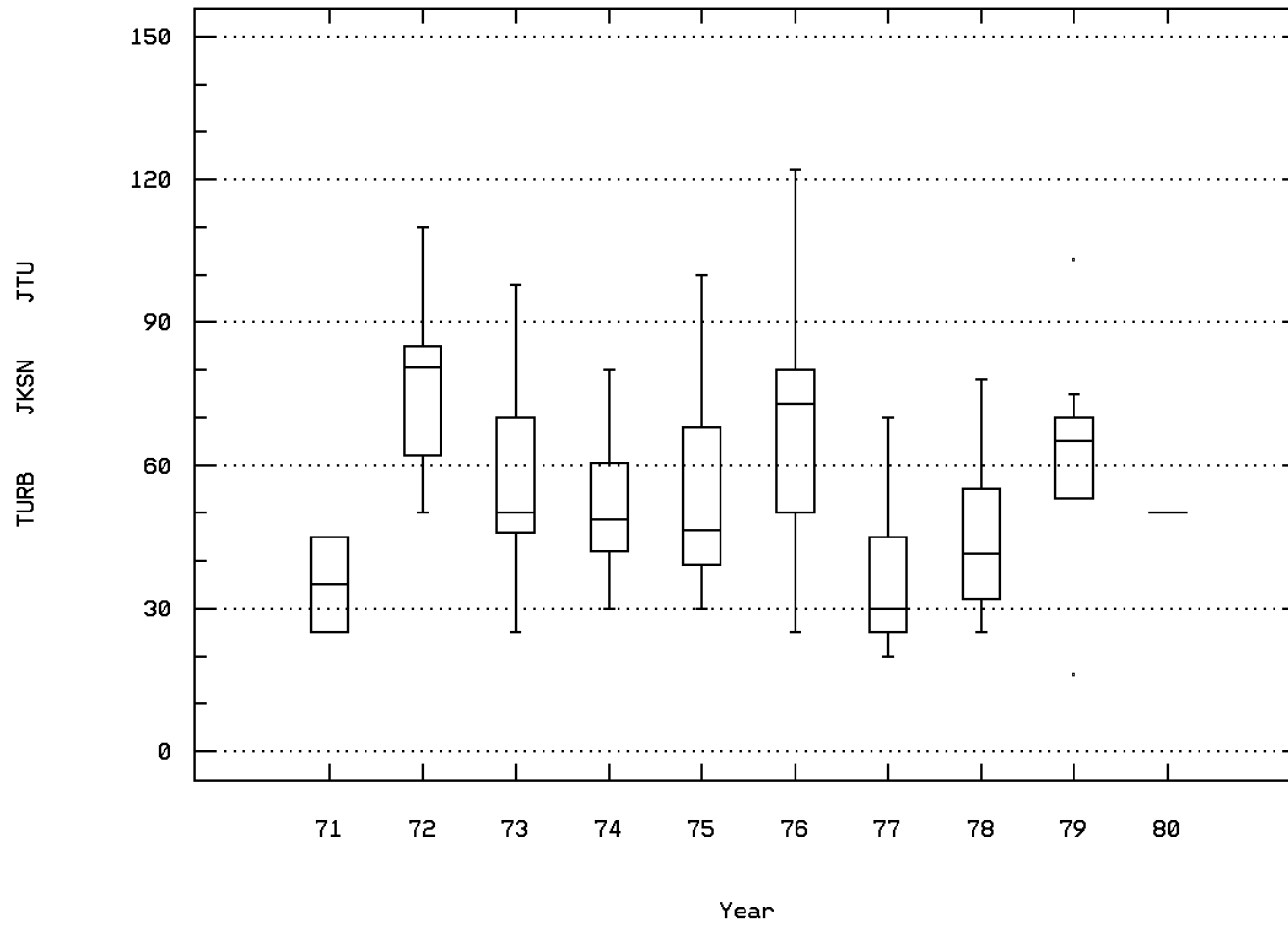
TEMPERATURE, WATER (DEGREES FAHRENHEIT)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00070

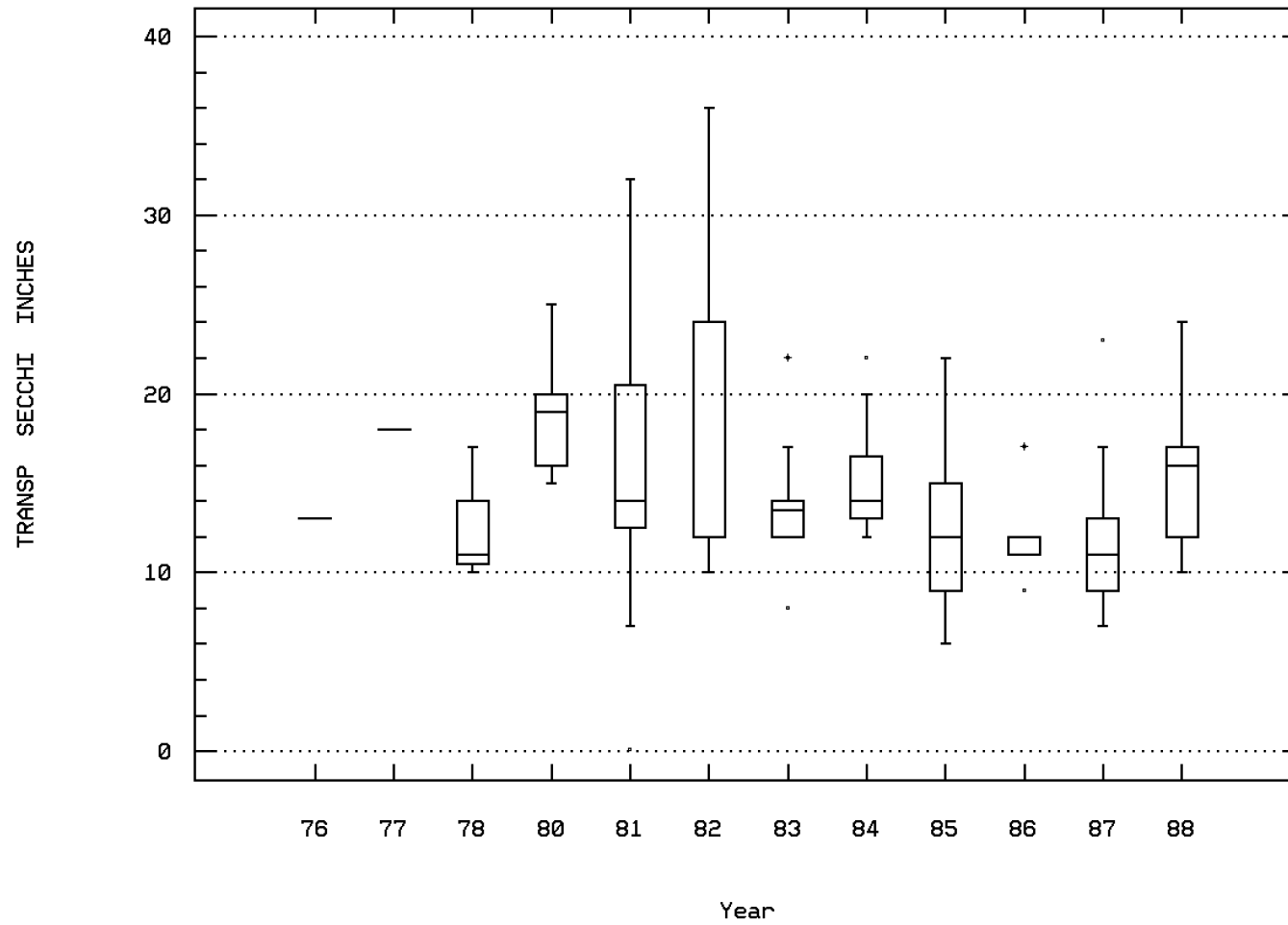
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NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00077

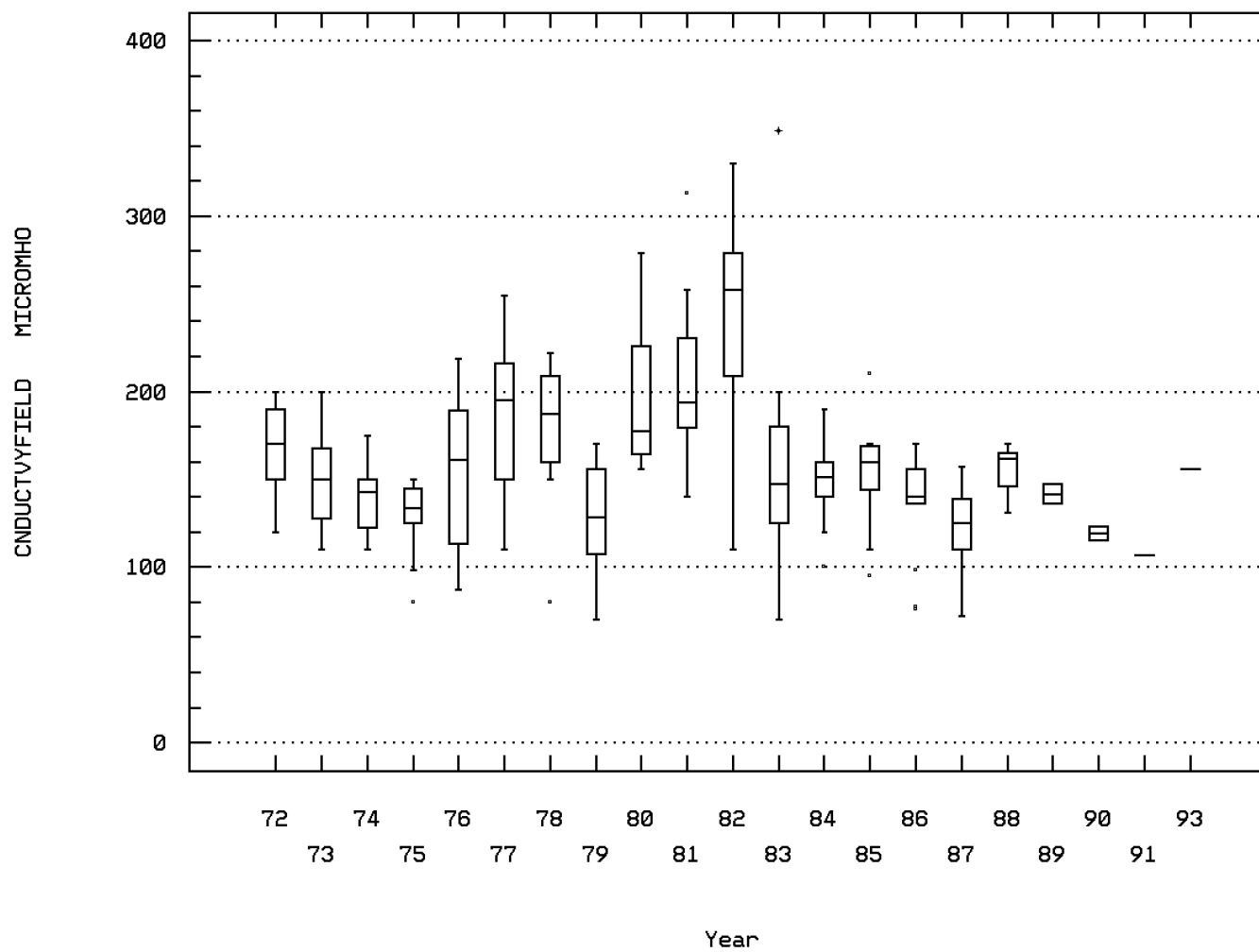
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NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00094

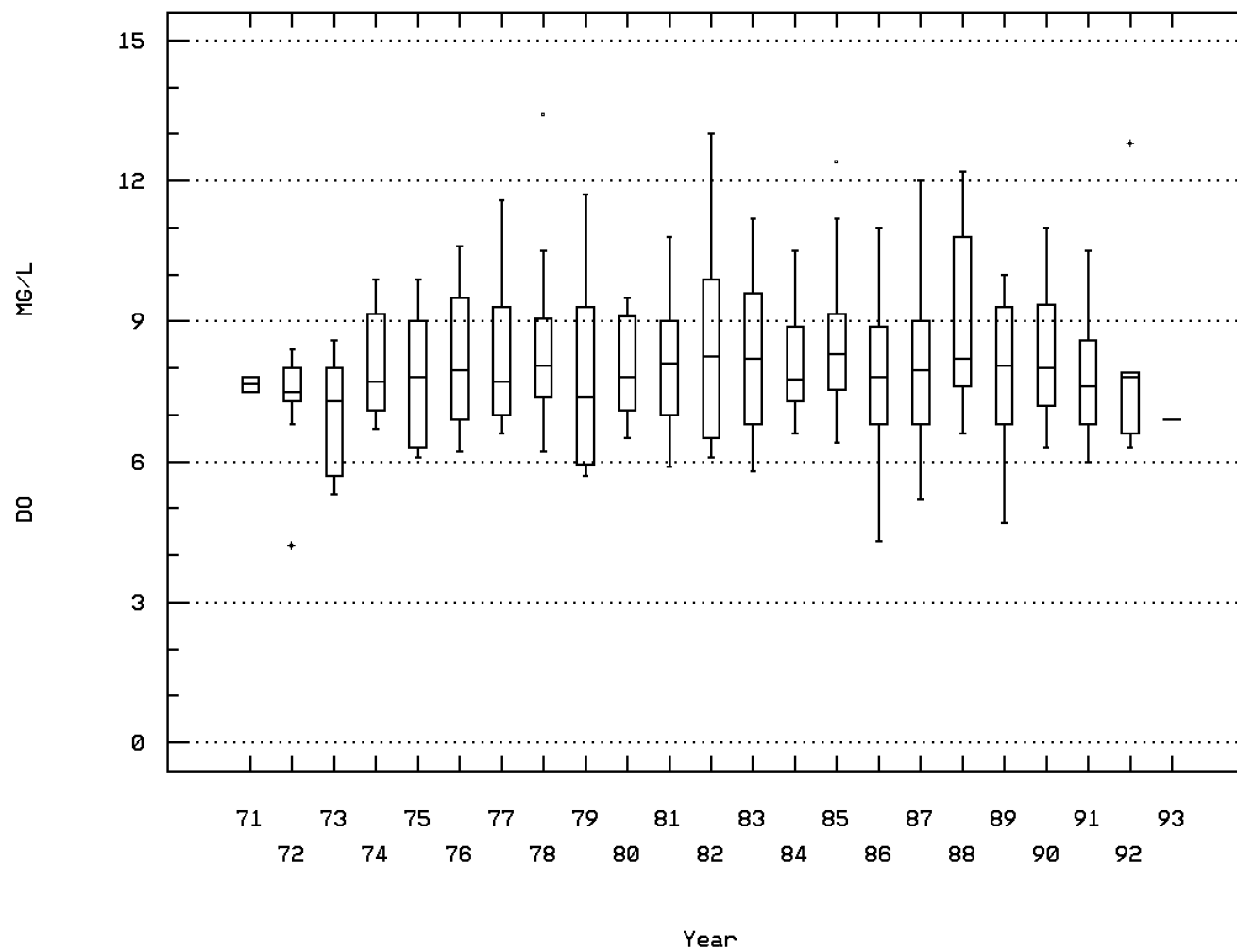
SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00300

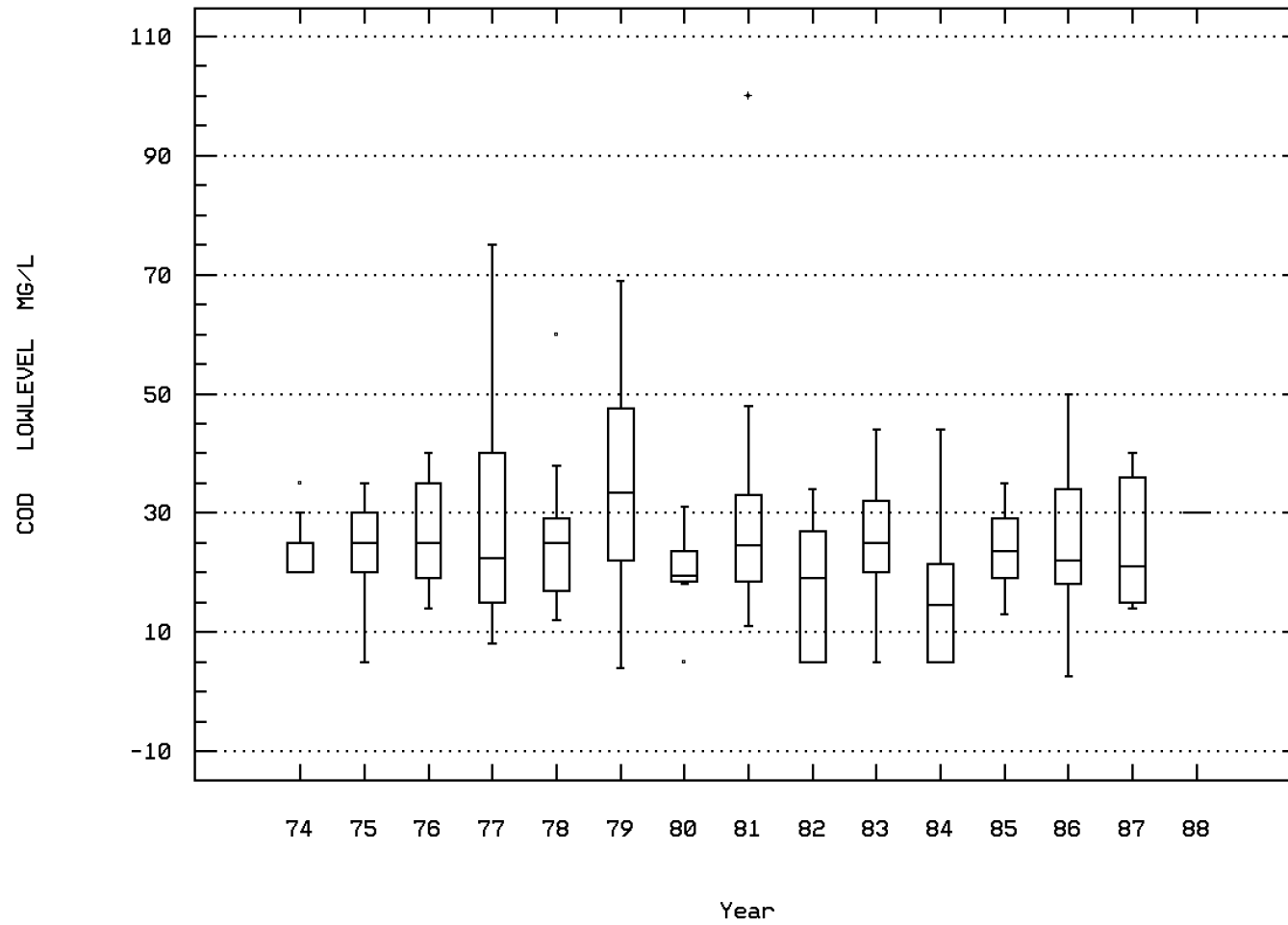
OXYGEN, DISSOLVED



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00335

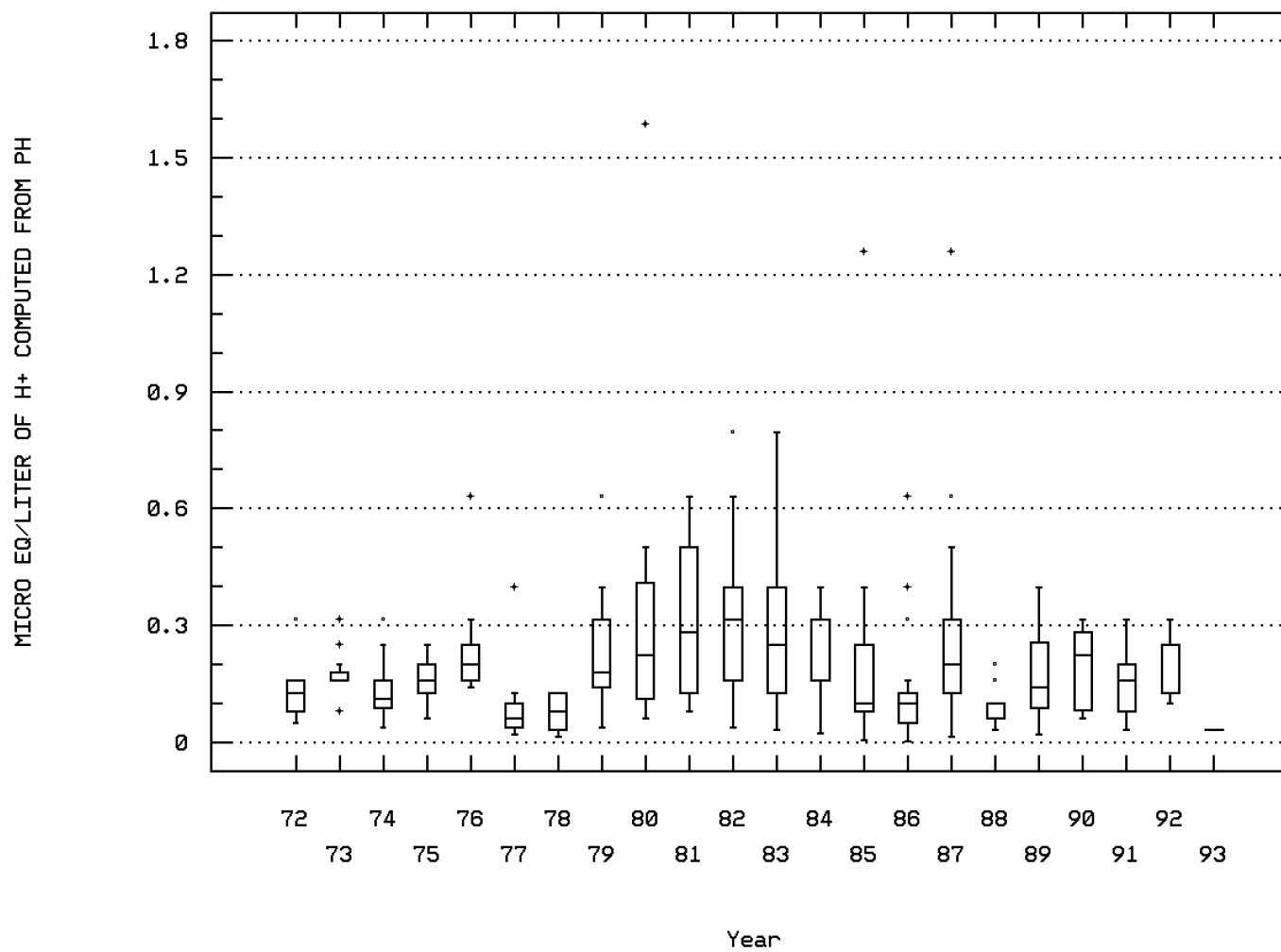
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NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00400

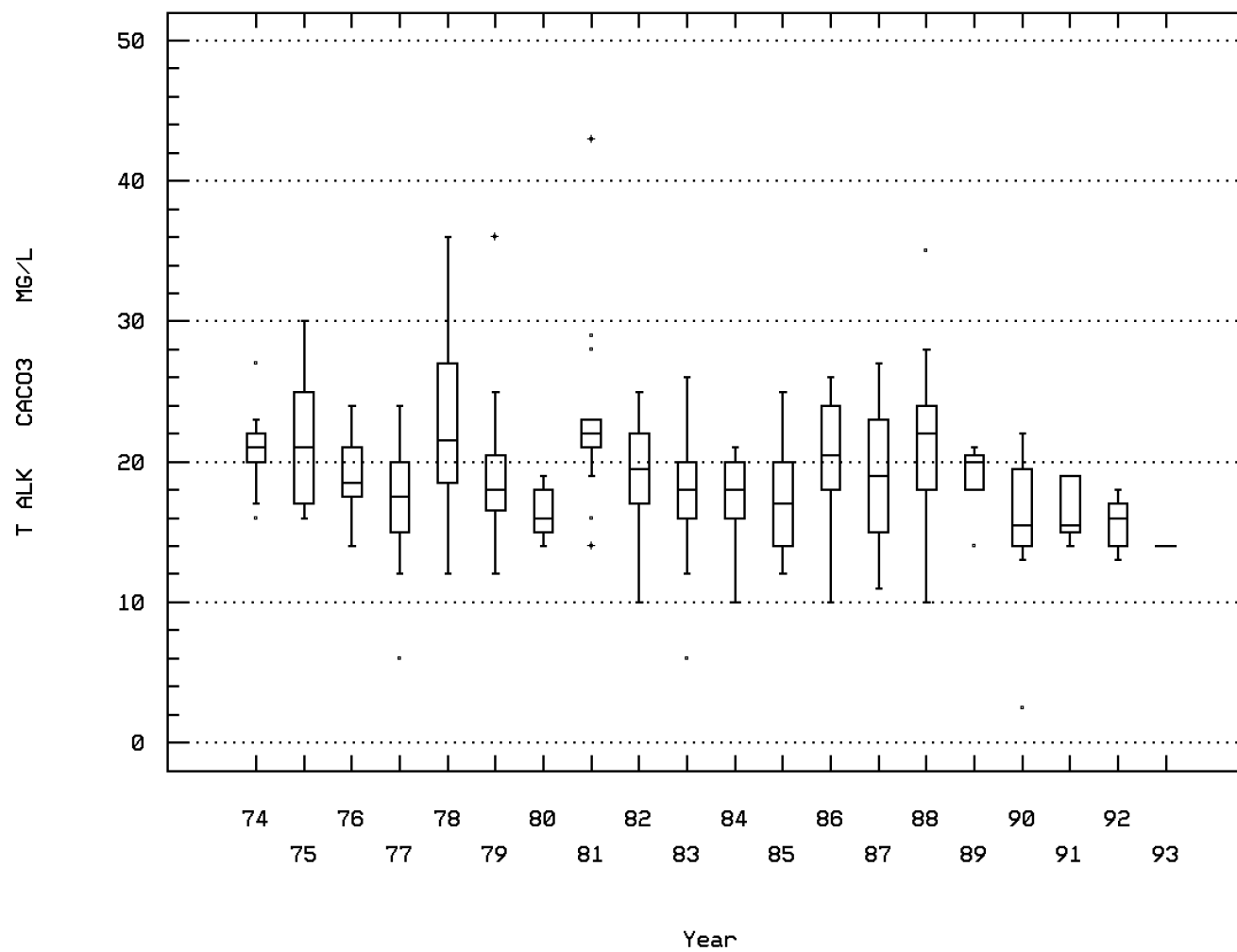
MICRO EQ/LITER OF H+ COMPUTED FROM PH



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00410

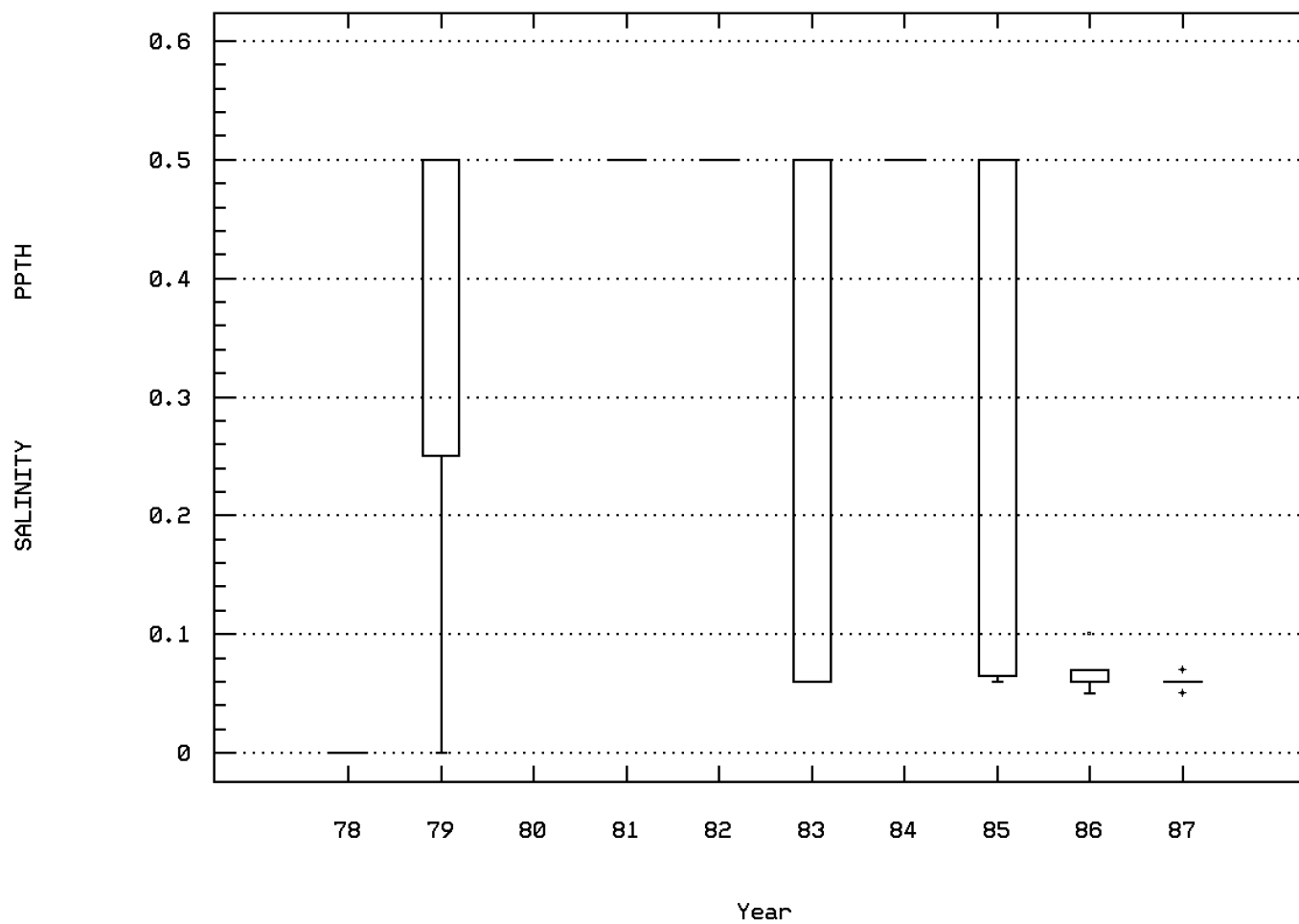
ALKALINITY, TOTAL (MG/L AS CaCO3)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00480

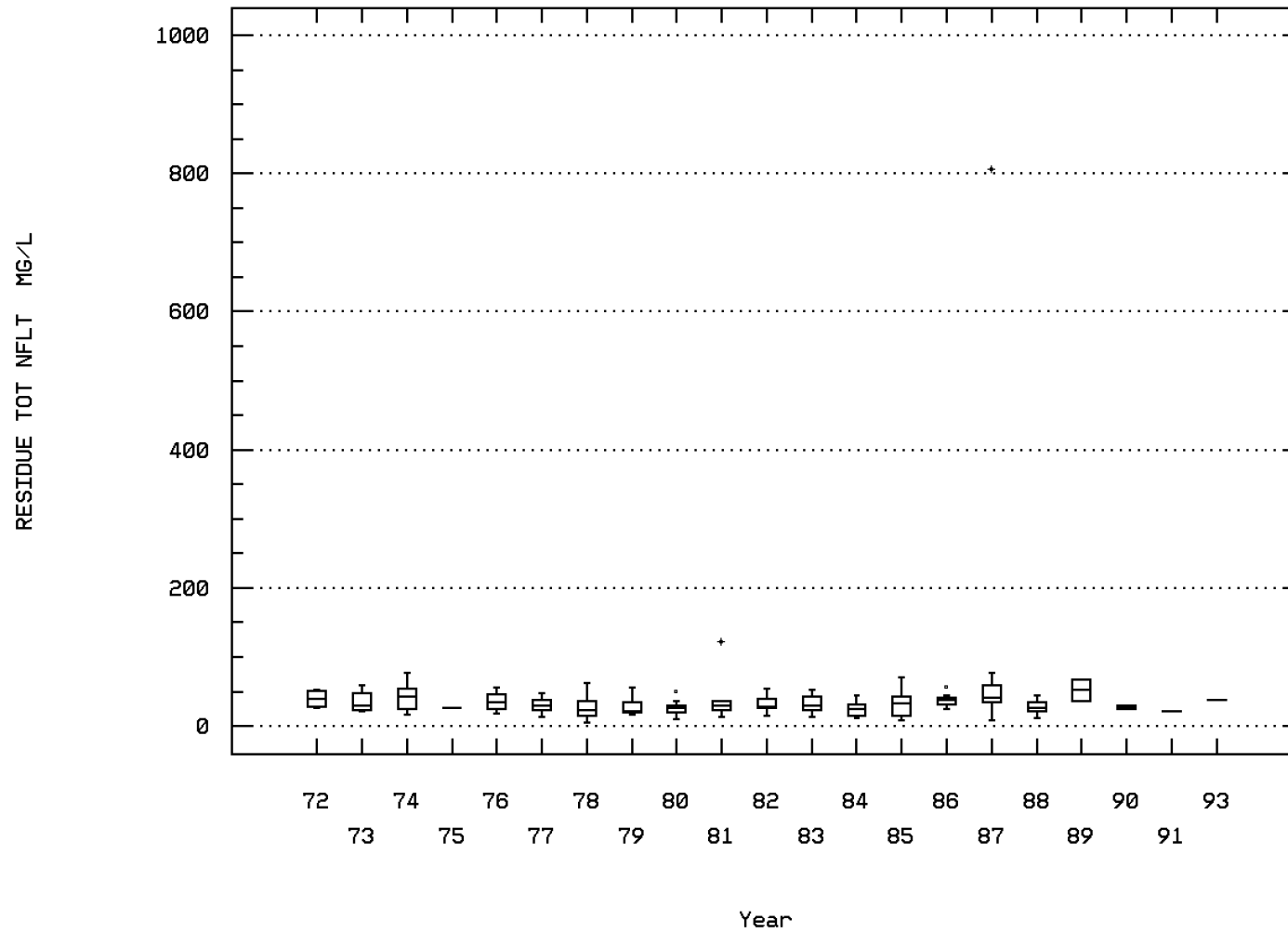
SALINITY - PARTS PER THOUSAND



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00530

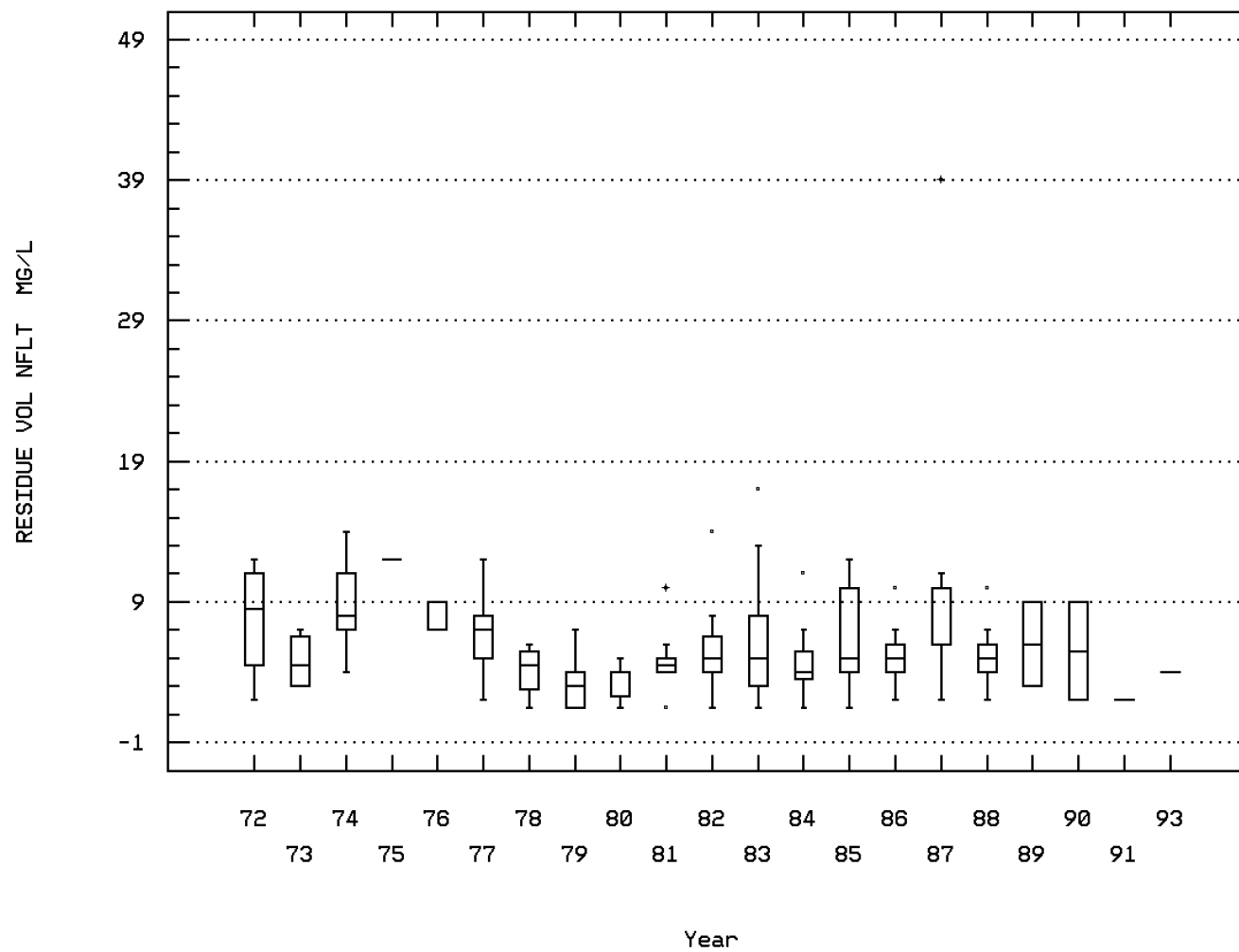
RESIDUE, TOTAL NONFILTRABLE (MG/L)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00535

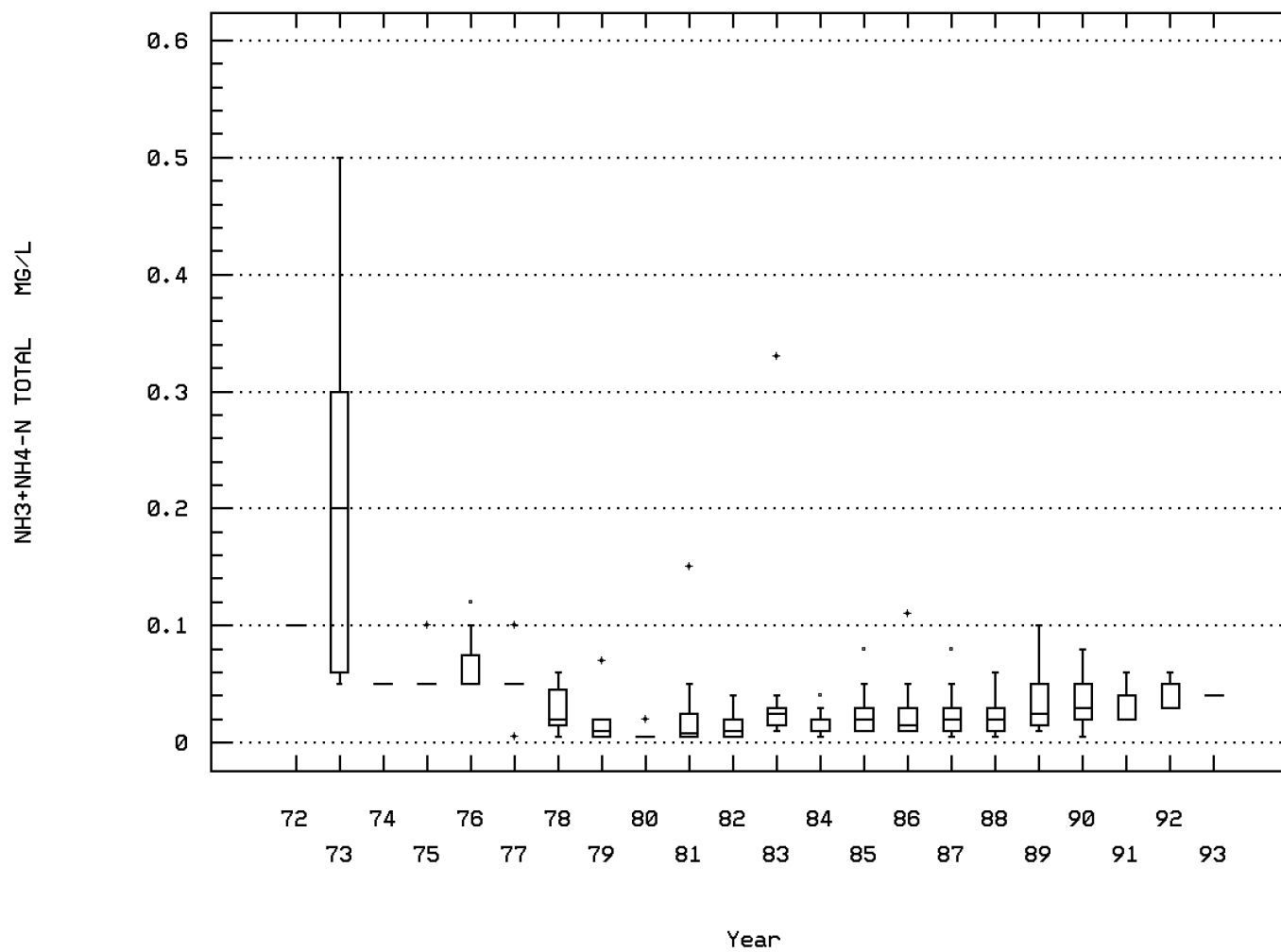
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00610

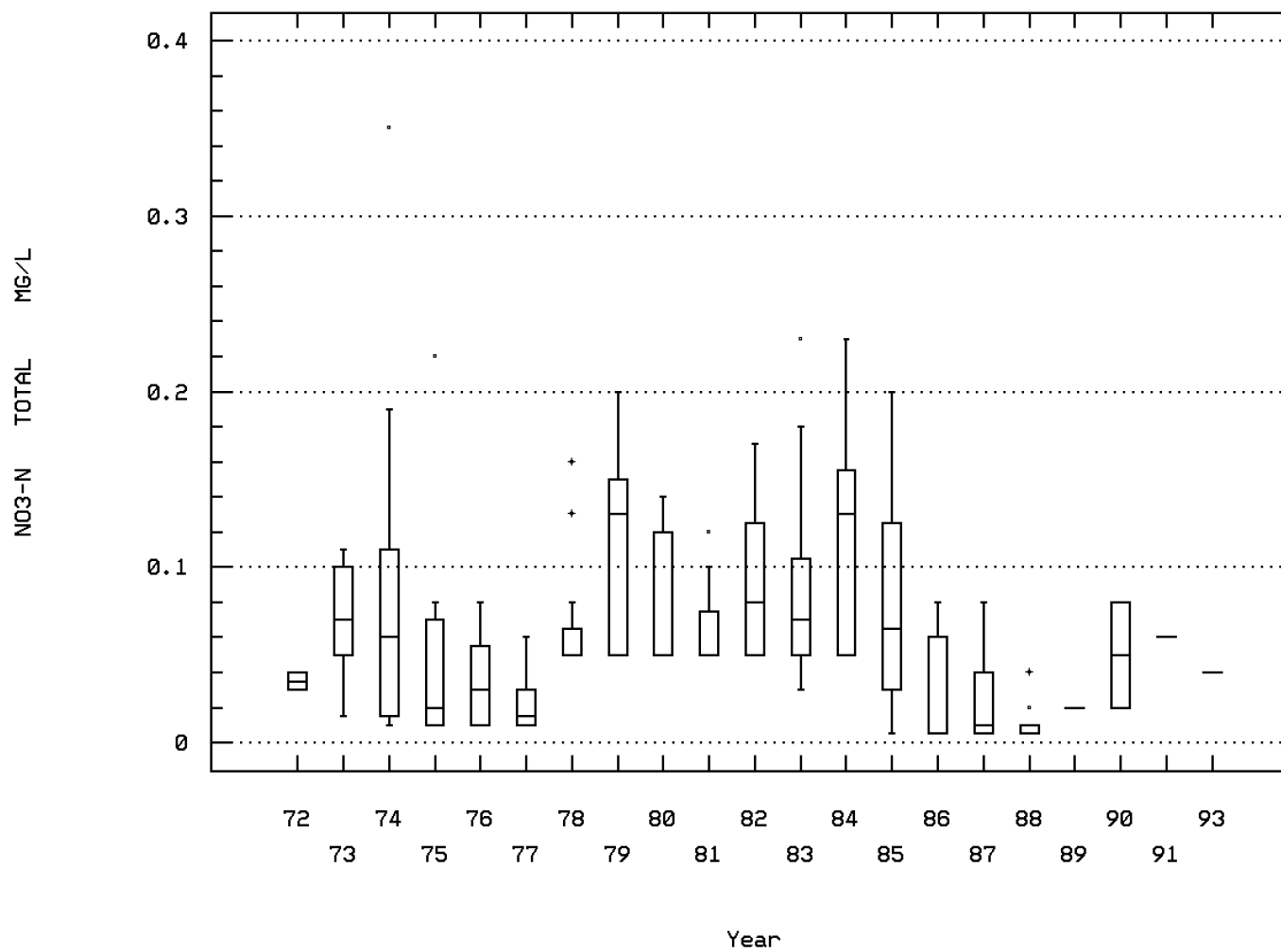
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00620

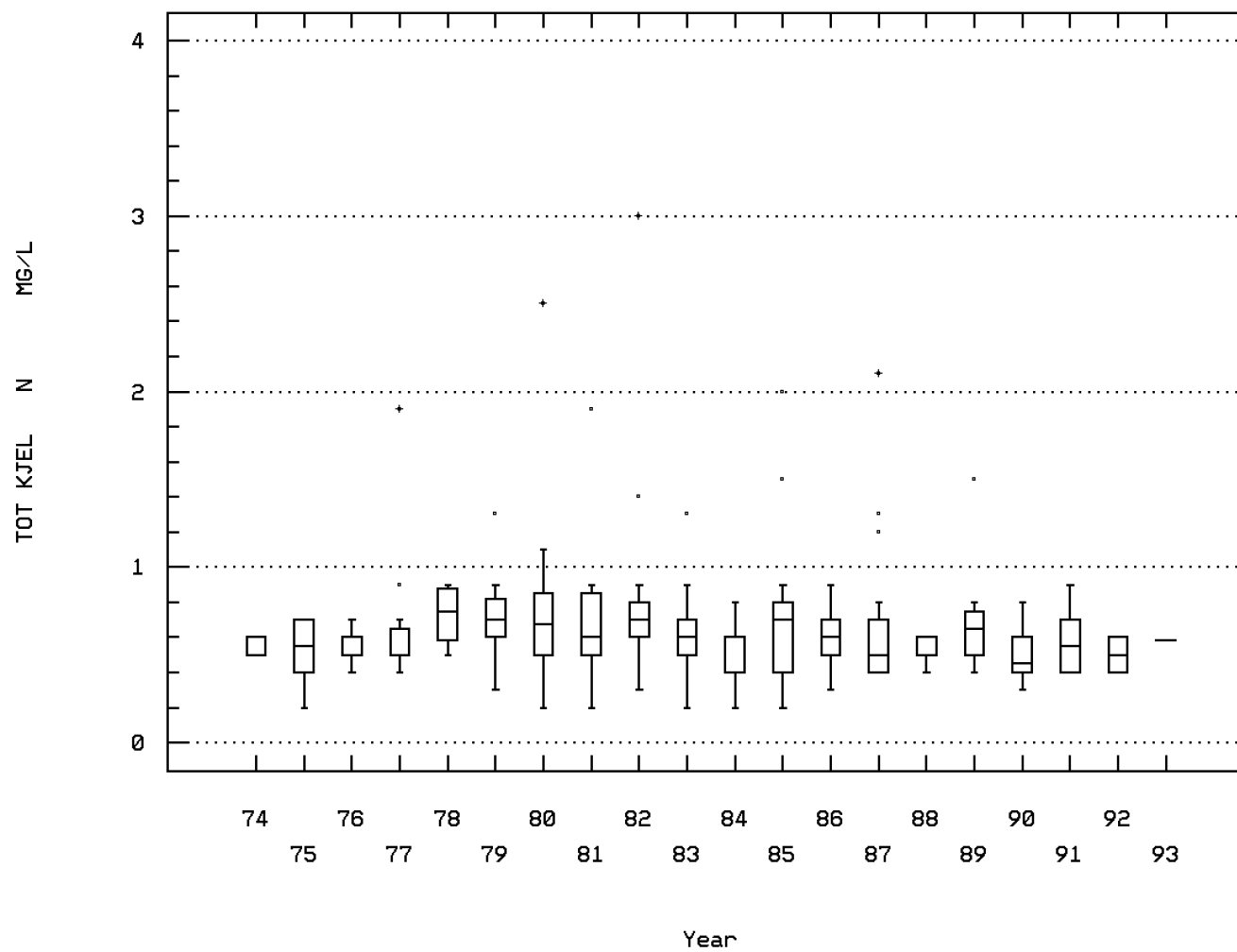
NITRATE NITROGEN, TOTAL (MG/L AS N)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00625

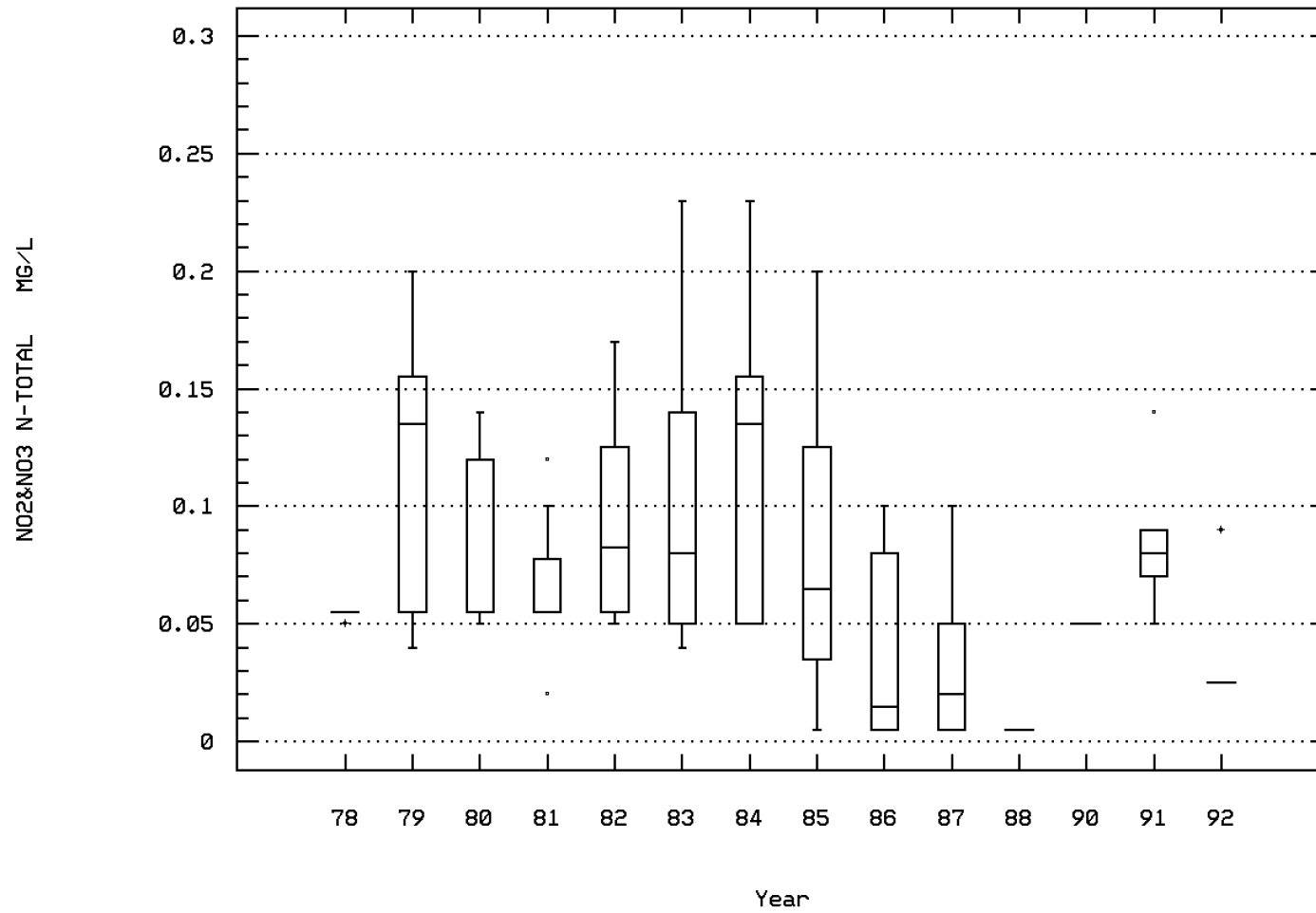
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00630

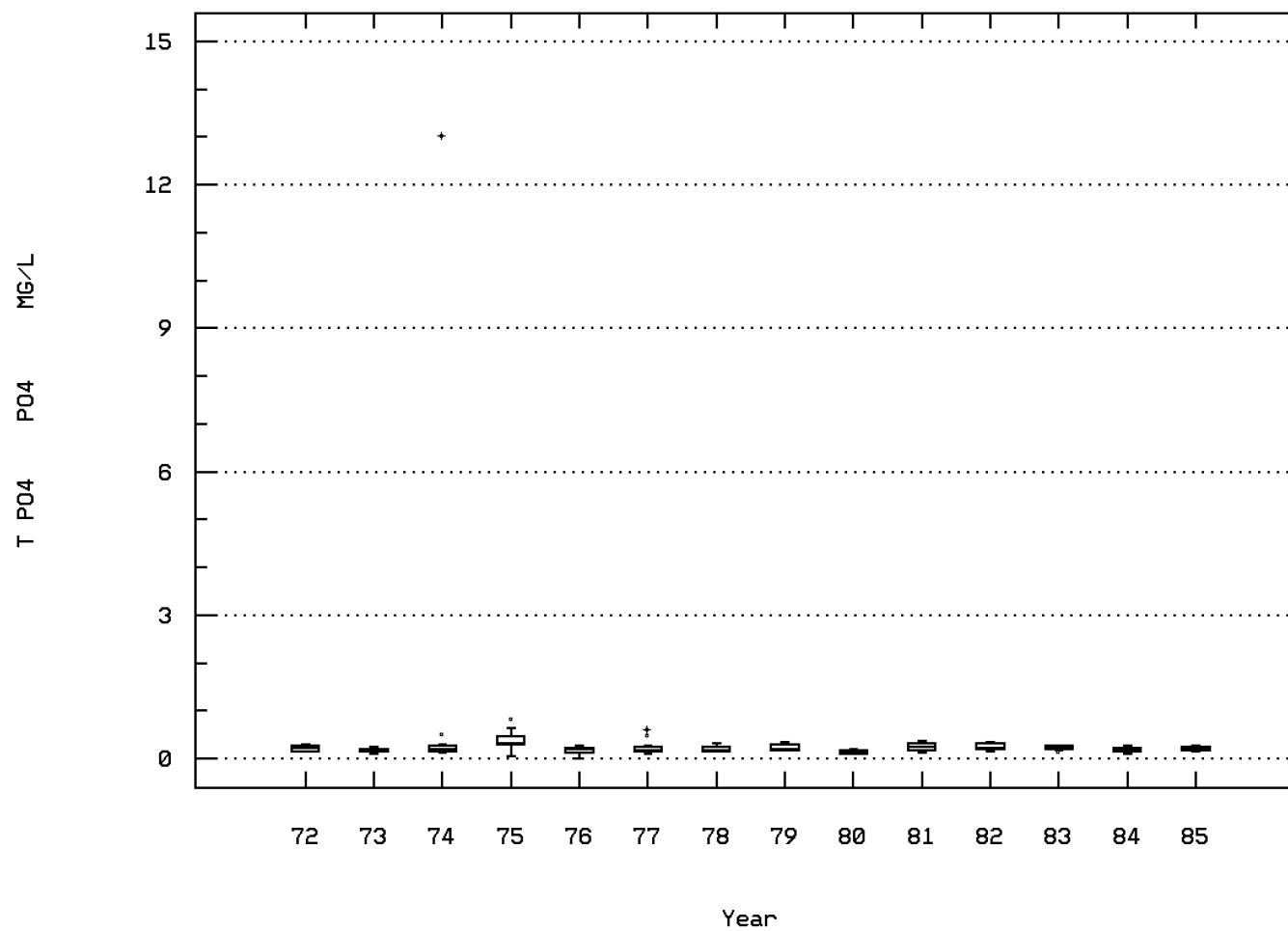
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00650

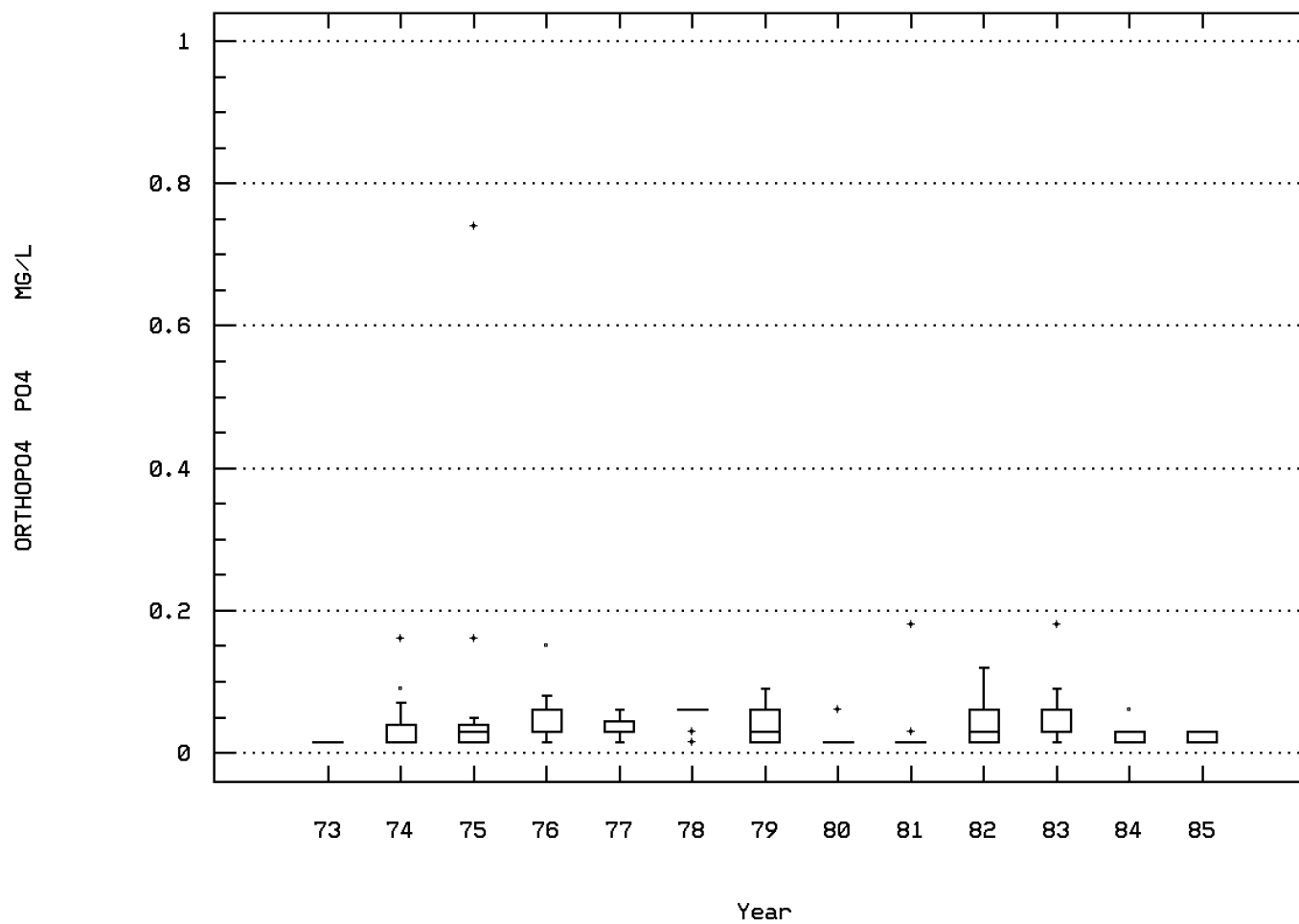
PHOSPHATE, TOTAL (MG/L AS P04)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00660

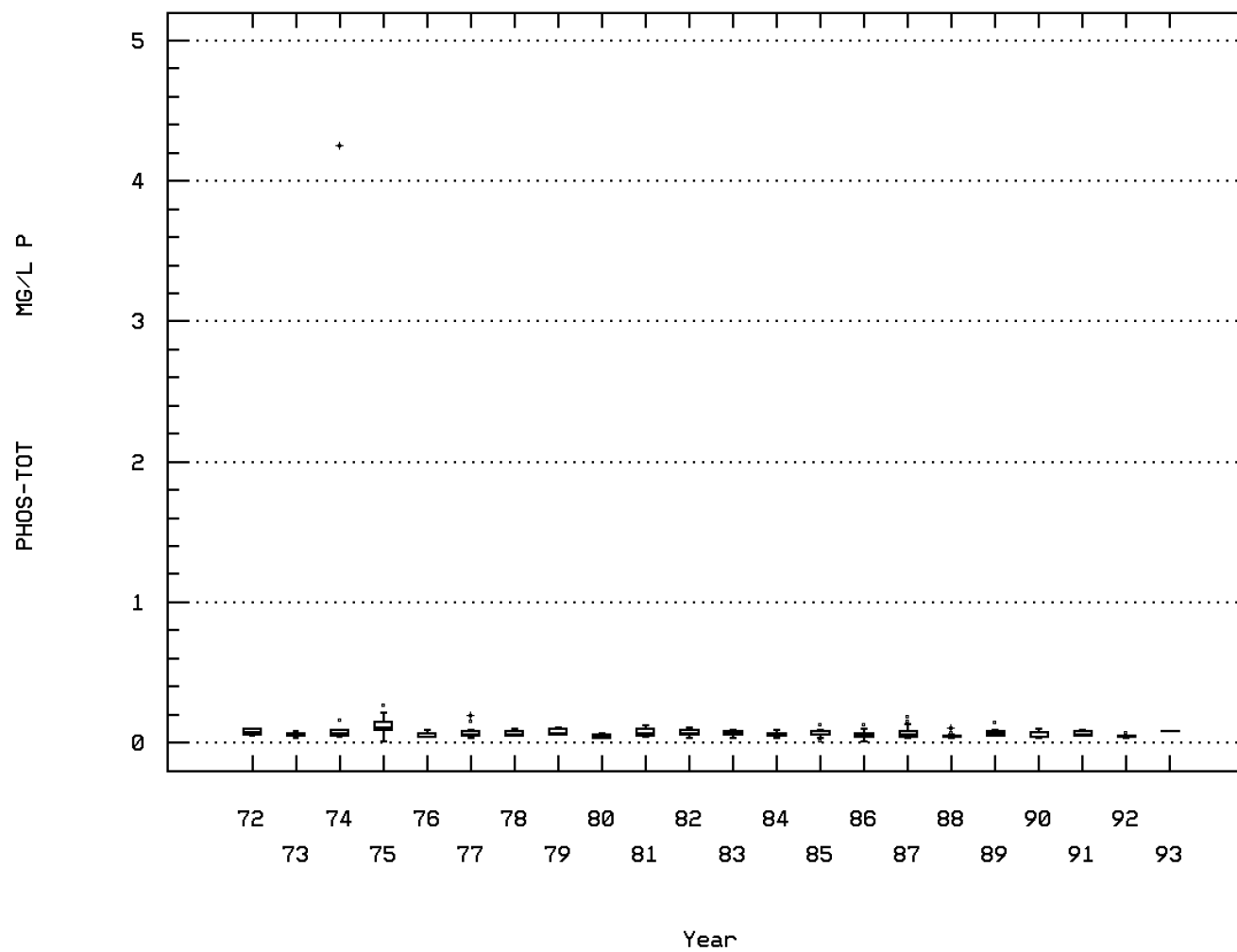
PHOSPHATE, ORTHO (MG/L AS P04)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00665

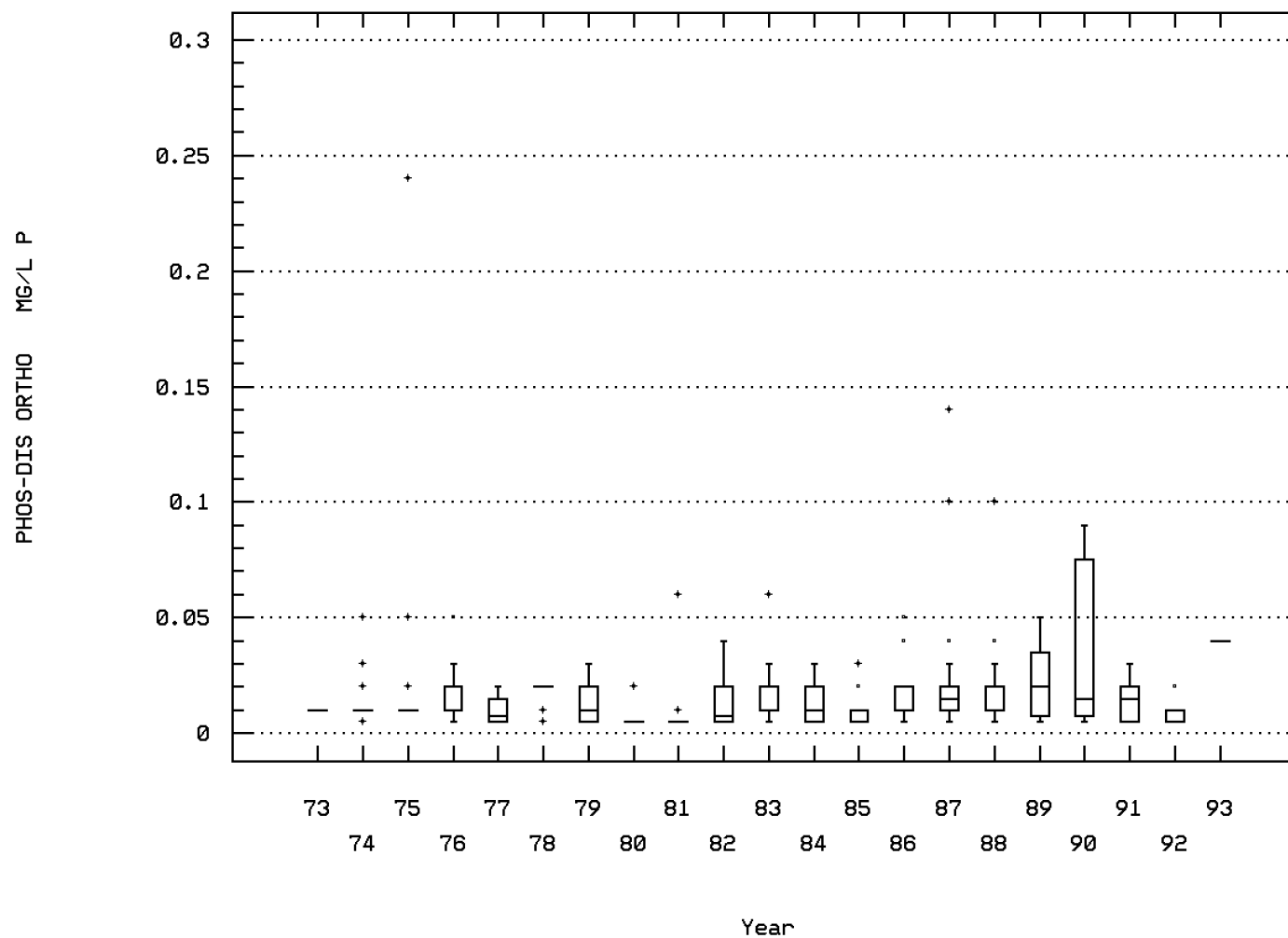
PHOSPHORUS, TOTAL (MG/L AS P)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00671

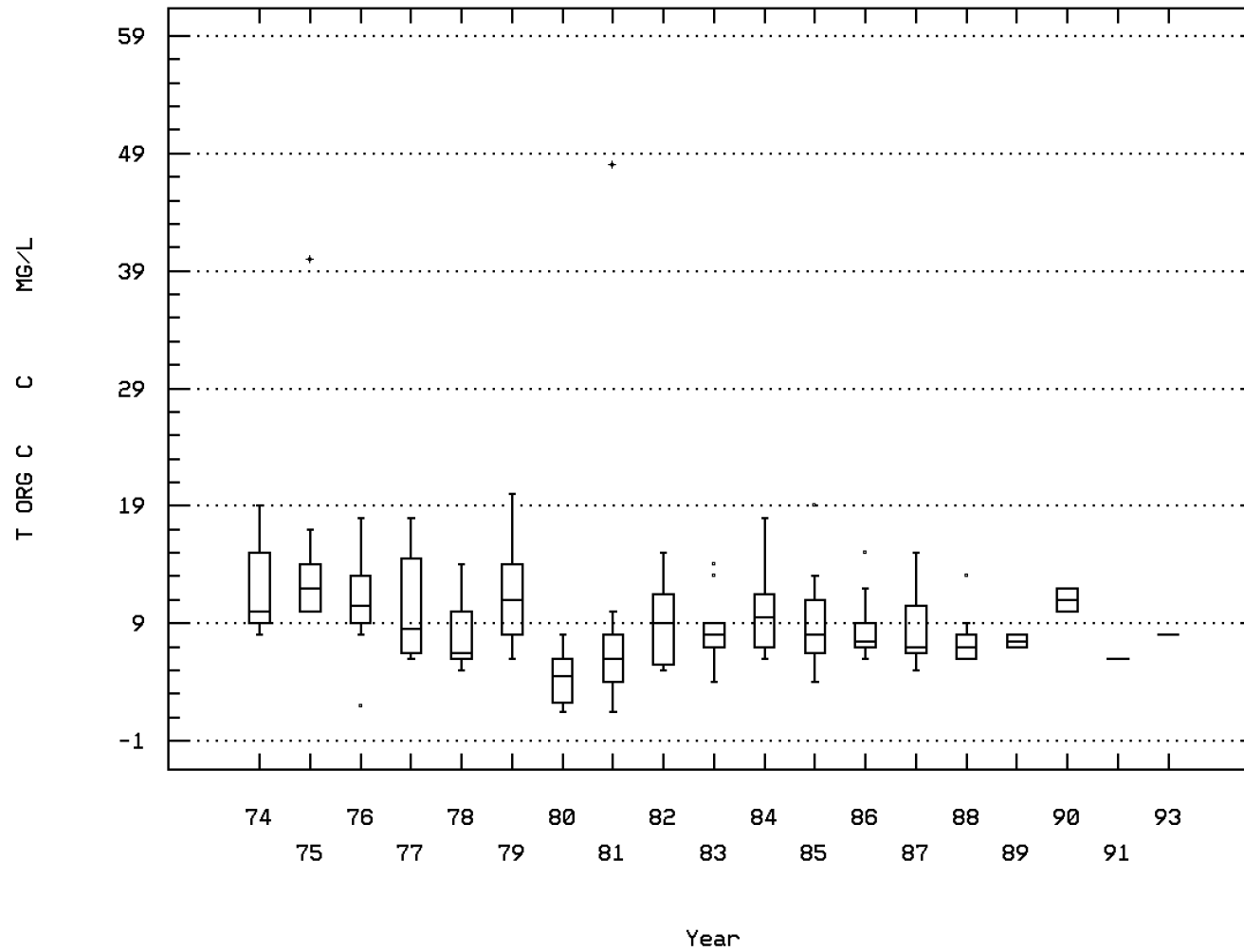
PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00680

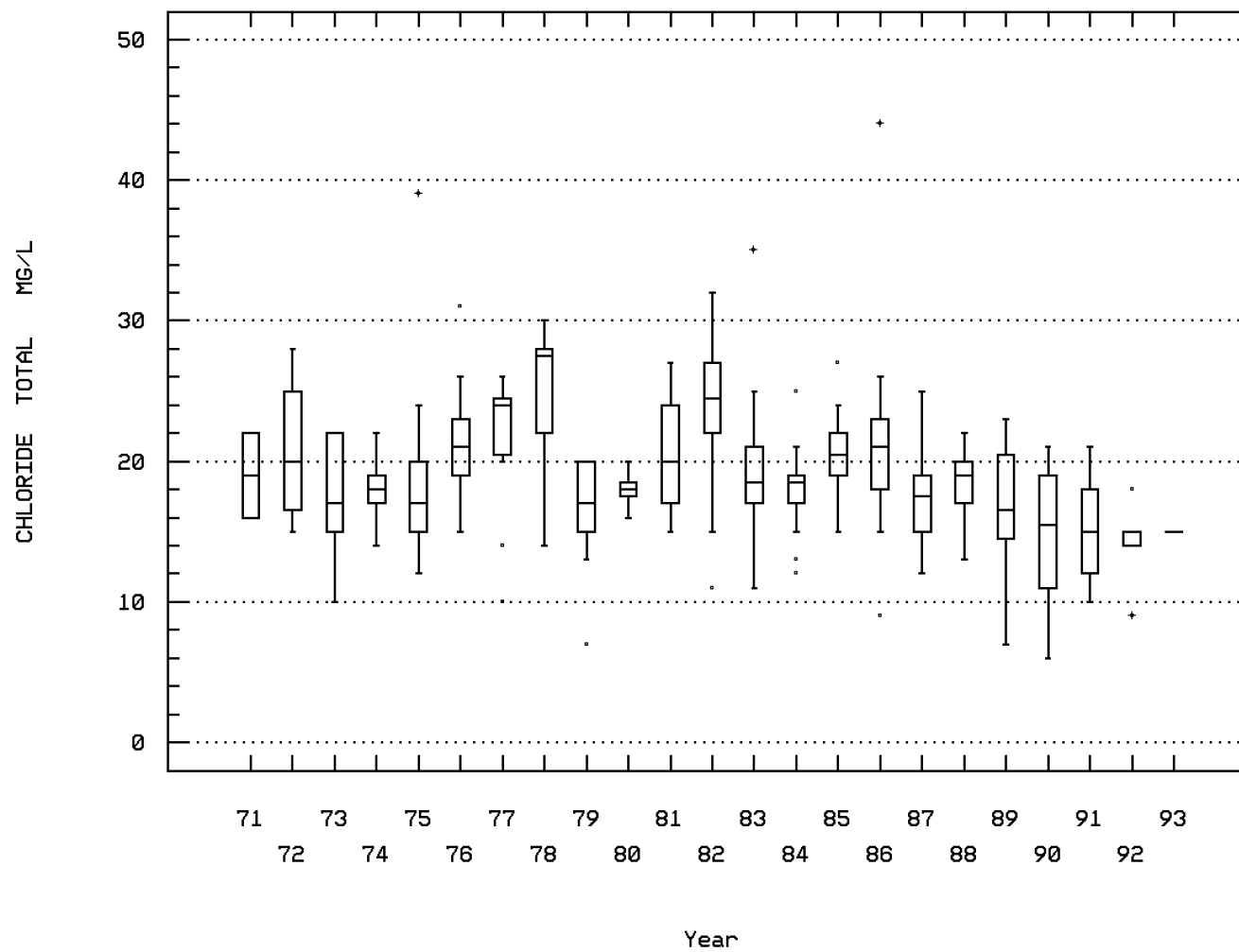
CARBON, TOTAL ORGANIC (MG/L AS C)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00940

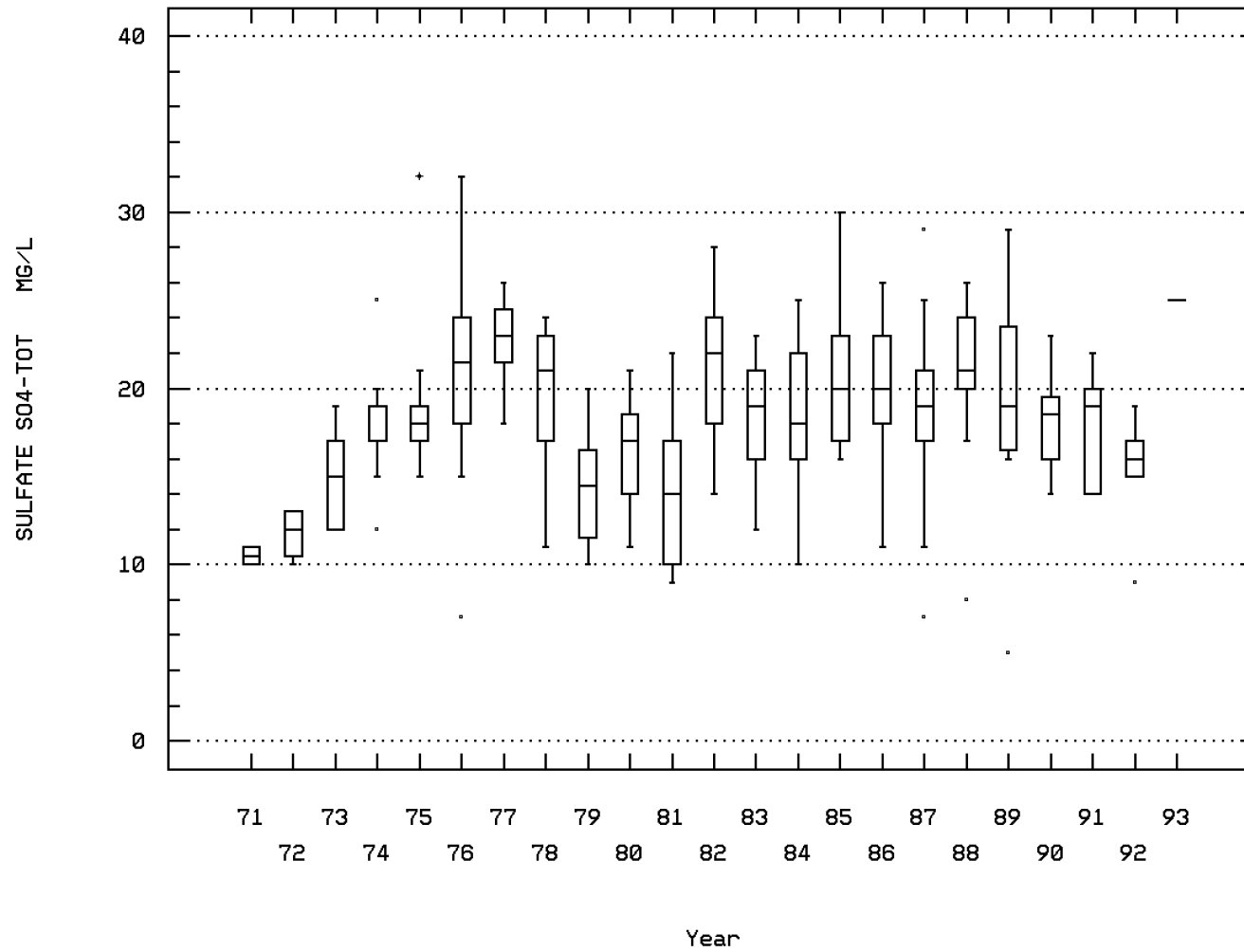
CHLORIDE, TOTAL IN WATER



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 00945

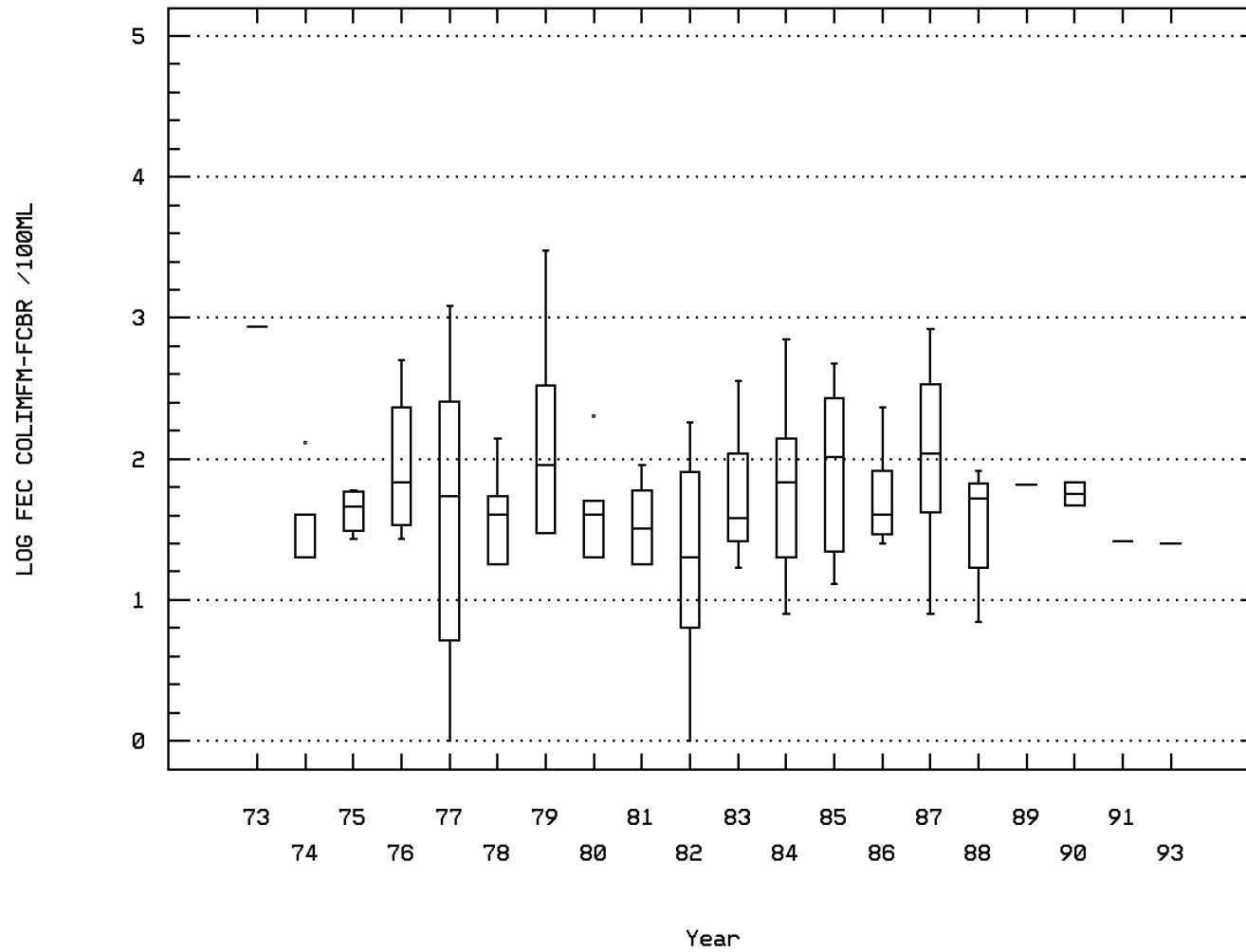
SULFATE, TOTAL (MG/L AS SO4)



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 31616

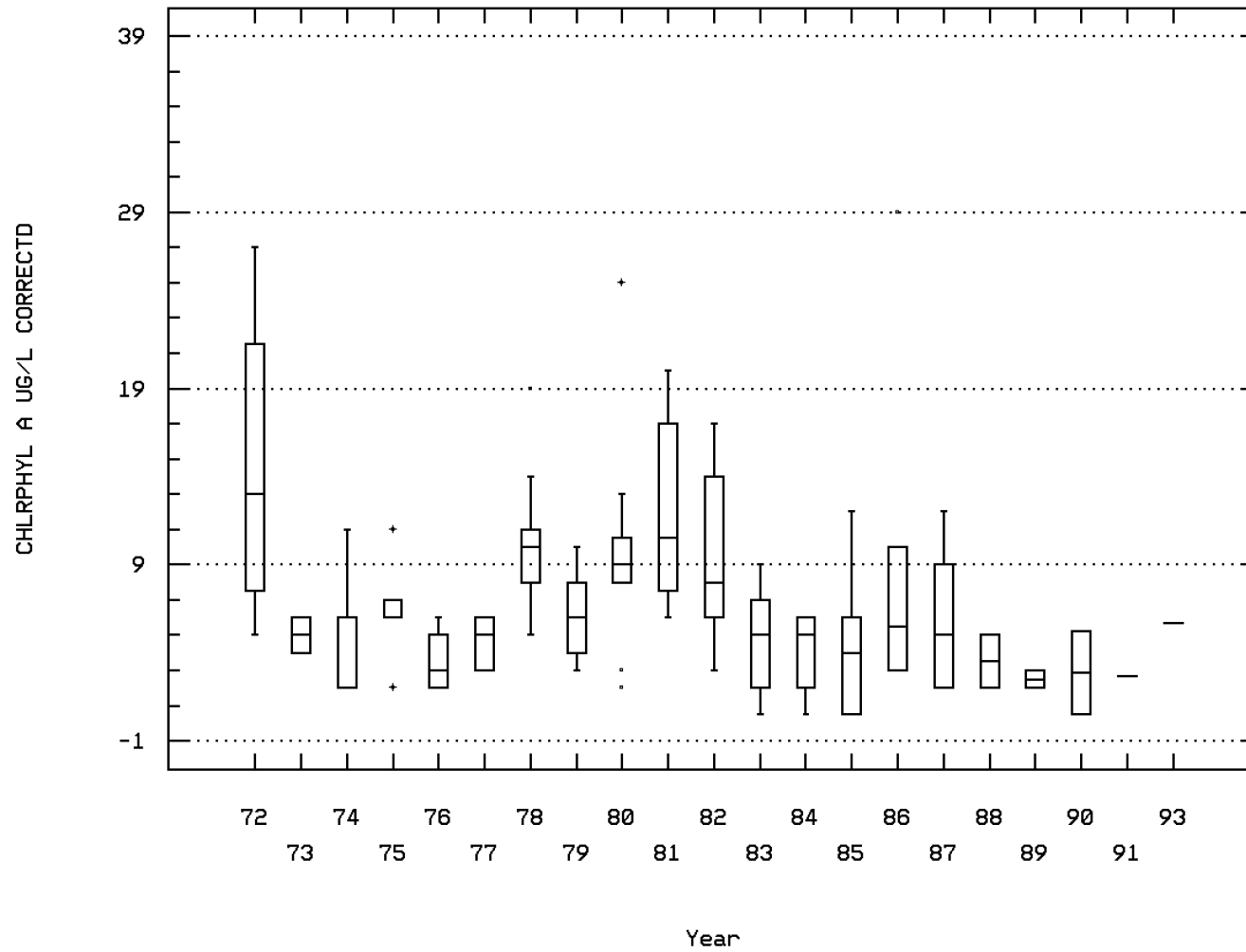
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 32211

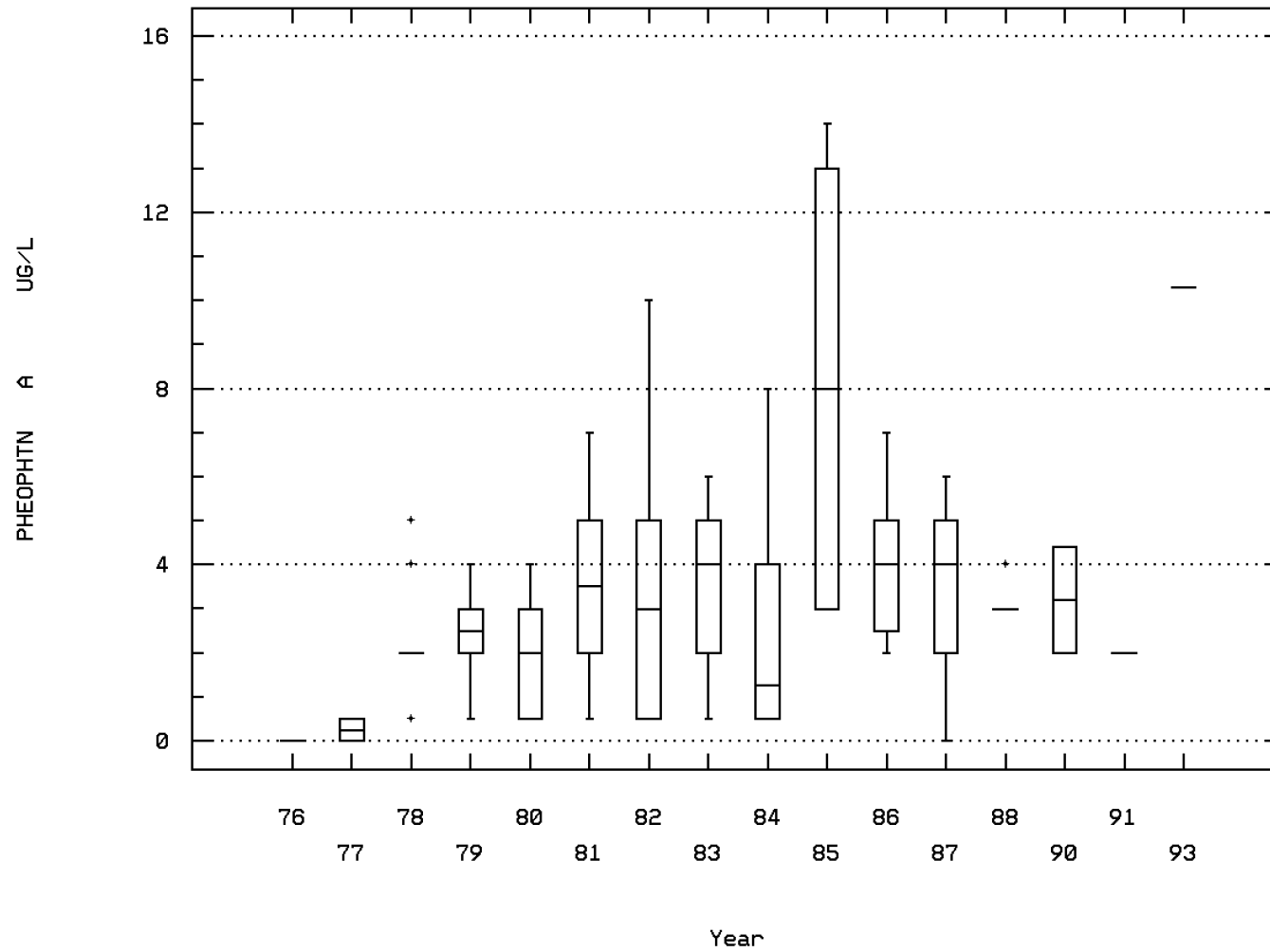
CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC A



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 32218

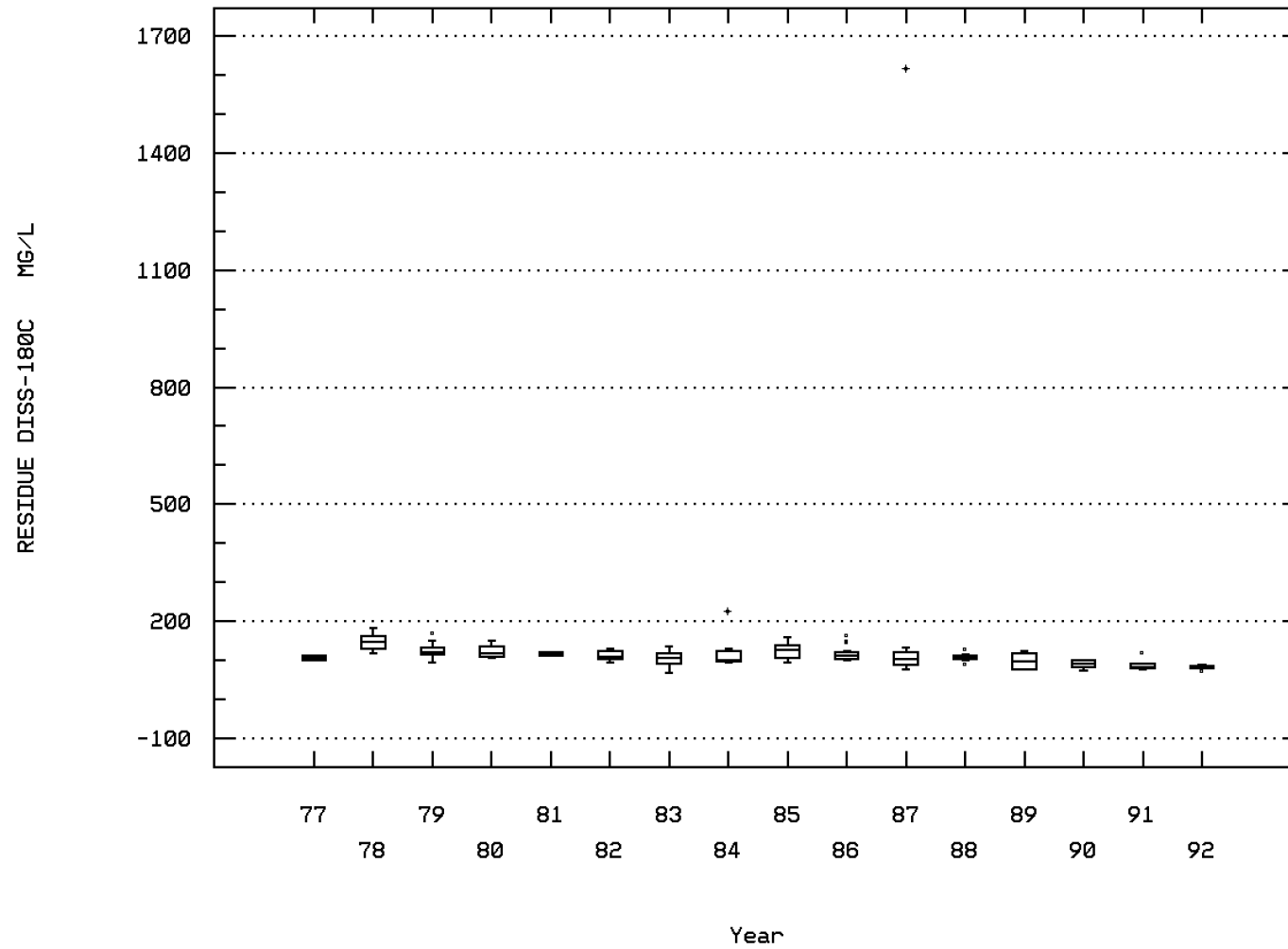
PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC AC



NECHES RIVER AT US 96 EAST OF SILSBEE

Station: BITH0034 Parameter Code: 70300

RESIDUE, TOTAL FILTRABLE (DRIED AT 180C)



NECHES RIVER AT US 96 EAST OF SILSBEE

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	55	26.7	26.32	32.	17.	12.216	3.495	21.36	23.7	29.7	30.16
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	39	79.2	79.713	90.	63.	34.596	5.882	72.	76.	84.6	86.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	47	3000.	3602.234	12300.	750.	3940084.574	1984.965	2230.	2640.	3700.	6200.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	18	44.	46.444	91.	16.	429.673	20.729	24.1	28.75	62.5	79.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/81-07/27/92	7	17.	21.286	37.	14.	70.238	8.381	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	24	17.	16.458	24.	7.	16.955	4.118	11.5	14.	19.75	22.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	41	165.	172.439	330.	110.	2064.802	45.44	126.4	140.	195.	237.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	21	163.	156.429	183.	108.	373.957	19.338	131.	141.5	171.5	179.2
00300	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	55	7.5	7.409	8.9	5.3	0.535	0.731	6.46	7.	7.9	8.32
00310	BOD, 5 DAY, 20 DEG C MG/L	10/25/71-07/27/92	9	1.2	1.256	2.3	0.4	0.325	0.57	0.4	0.8	1.6	2.3
00335	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	37	20.	18.676	45.	5.	95.614	9.778	5.	13.5	22.5	32.6
00400	PH (STANDARD UNITS)	03/20/72-06/16/93	52	6.95	7.021	8.6	6.	0.265	0.515	6.5	6.7	7.4	7.7
00400	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	52	6.947	6.781	8.6	6.	0.324	0.569	6.5	6.7	7.4	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	52	0.113	0.166	1.	0.003	0.034	0.183	0.02	0.04	0.2	0.316
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	13	7.2	7.146	7.7	6.4	0.159	0.399	6.52	6.75	7.45	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	13	7.2	6.972	7.7	6.4	0.192	0.438	6.52	6.75	7.45	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	13	0.063	0.107	0.398	0.02	0.012	0.108	0.02	0.036	0.179	0.319
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	46	21.	21.935	35.	15.	14.151	3.762	18.	20.	23.	26.3
00480	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	25 ###	0.5	0.326	0.5	0.06	0.048	0.218	0.06	0.065	0.5	0.5
00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/15/76-06/07/88	2	6377.5	6377.5	7260.	5495.	1557612.5	1248.043	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	39	31.	33.385	77.	8.	206.19	14.359	17.	24.	40.	52.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	39	5.	5.385	14.	1.	12.006	3.465	1.5	3.	8.	11.
00557	OIL & GREASE,SED,DRY WT,FREON EXTR-GRAV METH,MG/KG	09/24/75-06/07/88	2 ###	61.	61.	117.	5.	6272.	79.196	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/02/81-07/27/92	7	0.04	0.045	0.11	0.005	0.001	0.036	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	45 ###	0.02	0.062	1.	0.005	0.026	0.161	0.005	0.01	0.05	0.1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-07/27/92	3 ###	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	11 ###	0.02	0.021	0.05	0.01	0.	0.012	0.01	0.01	0.025	0.046
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	42 ###	0.045	0.04	0.14	0.005	0.001	0.034	0.005	0.01	0.05	0.094
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	43	0.6	0.638	1.9	0.2	0.145	0.381	0.34	0.4	0.7	1.24
00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	03/27/74-06/07/88	4	138.95	707.1	2550.	0.5	1526422.807	1235.485	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	28 ###	0.055	0.057	0.14	0.005	0.001	0.036	0.005	0.043	0.078	0.12
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/02/81-07/27/92	7 ###	0.05	0.053	0.07	0.05	0.	0.008	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	33	0.18	0.2	0.5	0.04	0.008	0.092	0.09	0.15	0.24	0.286
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	33 ###	0.015	0.032	0.12	0.015	0.001	0.024	0.015	0.015	0.05	0.06
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	49	0.06	0.062	0.16	0.01	0.001	0.029	0.03	0.045	0.07	0.09
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/02/81-07/27/92	7	0.02	0.022	0.05	0.005	0.	0.015	**	**	**	**
00668	PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	09/24/75-06/07/88	3	150.	534.	1400.	52.	564868.	751.577	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	48	0.01	0.011	0.04	0.005	0.	0.007	0.005	0.005	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	40	7.	7.15	13.	1.5	5.144	2.268	5.	6.	8.75	10.
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	11/02/81-07/27/92	7	7.3	7.2	7.9	6.1	0.403	0.635	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/02/81-07/27/92	7	3.4	3.143	3.6	2.1	0.333	0.577	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	11/02/81-07/27/92	7	17.	16.714	21.	12.	8.905	2.984	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/02/81-07/27/92	7	2.8	2.714	3.1	2.1	0.098	0.313	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/71-06/16/93	50	20.	20.54	28.	12.	12.498	3.535	17.	18.	23.	25.9
00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	50	18.	18.08	26.	8.	16.279	4.035	12.	16.75	20.	23.9
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/02/81-07/27/92	7	0.1	0.1	0.2	0.05	0.003	0.05	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SiO2)	11/02/81-07/27/92	7	11.	10.629	12.	9.4	1.352	1.163	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	11 ###	5.	4.045	5.	2.	1.773	1.331	2.1	2.5	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/24/75-06/07/88	3	2.9	4.667	9.7	1.4	19.563	4.423	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS Ba)	11/02/81-07/27/92	7	42.	42.571	47.	37.	12.952	3.599	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS Cd)	03/27/74-05/15/90	11 ###	5.	4.591	5.	0.5	1.841	1.357	1.4	5.	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	3 ###	0.25	0.28	0.49	0.1	0.039	0.197	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	3	10.	8.333	13.	2.	32.333	5.686	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS Cr)	03/27/74-05/15/90	11 ###	50.	38.182	70.	5.	471.364	21.711	6.	10.	50.	66.
01035	COBALT, DISSOLVED (UG/L AS Co)	11/02/81-07/27/92	7 ###	1.5	1.357	1.5	0.5	0.143	0.378	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS Cu DRY WGT)	09/24/75-06/07/88	3	3.2	5.067	11.	1.	27.613	5.255	**	**	**	**
01045	IRON, TOTAL (UG/L AS Fe)	03/27/74-09/28/82	11	1800.	1916.364	4000.	800.	906725.455	952.221	824.	1200.	2600.	3746.
01046	IRON, DISSOLVED (UG/L AS Fe)	11/02/81-07/27/92	7	91.	97.571	180.	28.	3317.286	57.596	**	**	**	**
01051	LEAD, TOTAL (UG/L AS Pb)	03/27/74-05/15/90	11 ###	25.	22.818	25.	1.	52.364	7.236	5.8	25.	25.	25.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/24/75-06/07/88	3	11.	10.667	14.	7.	12.333	3.512	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/24/75-06/07/88	3	580.	610.667	1100.	152.	225381.333	474.743	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	11/02/81-07/27/92	7	5.	9.	22.	3.	64.333	8.021	**	**	**	**
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-07/27/92	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	11/02/81-07/27/92	7	2.	3.929	17.	0.5	34.202	5.848	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/24/75-06/07/88	3	5.4	6.467	12.	2.	25.853	5.085	**	**	**	**
01075 SILVER, DISSOLVED (UG/L AS AG)	11/02/81-07/27/92	7 ##	0.5	1.	4.	0.5	1.75	1.323	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/24/75-06/07/88	4 ##	0.248	0.271	0.49	0.1	0.026	0.162	**	**	**	**
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-07/27/92	6	90.5	87.5	100.	66.	168.7	12.988	**	**	**	**
01085 VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-07/27/92	6 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	11 ##	50.	44.545	100.	10.	627.273	25.045	10.	20.	50.	90.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/24/75-06/07/88	3	37.	33.667	51.	13.	369.333	19.218	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-07/27/92	6	45.	41.667	50.	30.	96.667	9.832	**	**	**	**
01130 LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-07/27/92	6	6.5	8.5	16.	5.	17.9	4.231	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	11/02/81-07/27/92	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/15/76-06/07/88	3 ##	0.49	0.523	0.98	0.1	0.194	0.441	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	32	28.5	69.781	500.	0.5	12442.354	111.545	10.	18.	53.	240.7
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	32	1.455	1.461	2.699	-0.301	0.414	0.643	1.	1.255	1.724	2.381
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			28.875								
31625 FECAL COLIFORM, MF, M-FC, 0.7 UM	11/02/81-07/27/92	7	40.	44.	88.	12.	512.	22.627	**	**	**	**
31625 LOG FECAL COLIFORM, MF, M-FC, 0.7 UM	11/02/81-07/27/92	7	1.602	1.587	1.944	1.079	0.067	0.258	**	**	**	**
31625 GM FECAL COLIFORM, MF, M-FC, 0.7 UM	GEOMETRIC MEAN =			38.634								
31673 FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/02/81-07/27/92	7	150.	693.429	2300.	48.	940019.619	969.546	**	**	**	**
31673 LOG FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/02/81-07/27/92	7	2.176	2.42	3.362	1.681	0.423	0.651	**	**	**	**
31673 GM FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	GEOMETRIC MEAN =			262.982								
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	34	6.	6.971	16.	1.	15.06	3.881	2.	3.75	10.25	12.5
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	29	2.	2.172	6.	0.	2.541	1.594	0.5	1.	4.	4.
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351 CHLORDANE (TECH MIX&METABS), SEDIMENTS, DRY WGT, UG/KG	06/16/77-06/07/88	1 ##	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.085	0.085	0.085	0.085	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.115	0.115	0.115	0.115	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.085	0.085	0.085	0.085	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393 ENDRIIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	1 ##	1.71	1.71	1.71	1.71	0.	0.	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.055	0.055	0.055	0.055	0.	0.	**	**	**	**
39423 HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/16/77-06/07/88	1 ##	0.055	0.055	0.055	0.055	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/16/77-06/07/88	1 ##	0.155	0.155	0.155	0.155	0.	0.	**	**	**	**
39519 PCBs IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	1 ##	2.44	2.44	2.44	2.44	0.	0.	**	**	**	**
39541 PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.365	0.365	0.365	0.365	0.	0.	**	**	**	**
39571 DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	1	14.54	14.54	14.54	14.54	0.	0.	**	**	**	**
39601 METHYL PARATHION IN BOT. DEPOS. (UG/KG DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.365	0.365	0.365	0.365	0.	0.	**	**	**	**
39761 SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
39783 LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/77-07/27/92	29	109.	111.345	159.	77.	341.948	18.492	89.	100.5	124.5	134.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/11/74-02/01/83	7	75.	85.286	109.	68.	286.571	16.928	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER, % FINER THAN .062MM	11/02/81-07/27/92	7	81.	71.857	99.	12.	961.476	31.008	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	10 ##	0.25	0.83	6.	0.1	3.328	1.824	0.1	0.175	0.363	5.47
71921 MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/24/75-06/07/88	3	0.07	0.16	0.4	0.01	0.044	0.21	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/02/81-07/27/92	7	26.	30.571	59.	15.	278.286	16.682	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	71	13.3	14.189	23.	6.	18.874	4.344	8.76	11.	17.8	20.78
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	43	56.3	57.874	73.	42.8	59.071	7.686	49.04	51.8	64.	69.64
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	64	3885.	6111.953	24000.	700.	27755891.76	5268.386	1650.	2502.5	8775.	14000.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	26	60.	64.308	122.	30.	579.502	24.073	30.	48.75	78.5	100.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/81-07/27/92	17	27.	26.965	52.	3.4	131.621	11.473	10.28	20.	33.	42.4
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	24	14.	16.792	36.	8.	57.563	7.587	9.5	12.	22.75	30.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	51	132.	139.706	278.	70.	1664.692	40.801	88.6	116.	156.	199.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	34	132.5	138.676	210.	94.	652.286	25.54	109.5	120.75	156.5	171.5
00300	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	71	9.4	9.445	13.	6.8	2.089	1.445	7.6	8.3	10.4	11.52
00310	BOD, 5 DAY, 20 DEG C MG/L	10/25/71-07/27/92	19	1.3	1.368	2.6	0.4	0.331	0.575	0.5	1.	1.6	2.5
00335	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	43	26.	28.221	100.	2.5	292.694	17.108	7.4	19.	35.	47.6
00400	PH (STANDARD UNITS)	03/20/72-06/16/93	68	6.8	6.744	7.8	5.8	0.144	0.379	6.29	6.5	7.	7.21
00400	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	68	6.8	6.579	7.8	5.8	0.171	0.414	6.29	6.5	7.	7.21
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	68	0.158	0.264	1.585	0.016	0.079	0.282	0.062	0.1	0.316	0.514
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	17	7.1	7.082	7.9	6.1	0.158	0.397	6.58	6.85	7.3	7.58
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	17	7.1	6.884	7.9	6.1	0.199	0.447	6.58	6.85	7.3	7.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	17	0.079	0.13	0.794	0.013	0.032	0.18	0.028	0.05	0.142	0.318
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/09/74-06/16/93	63	16.	17.571	36.	6.	26.475	5.145	12.	14.	21.	24.
00480	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	27 ##	0.5	0.349	0.5	0.	0.048	0.219	0.	0.07	0.5	0.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	43	27.	47.86	805.	5.	14228.647	119.284	11.8	20.	38.	57.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	43	6.	6.663	39.	1.	36.747	6.062	1.5	4.	8.	12.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/02/81-07/27/92	17	0.03	0.033	0.09	0.005	0.001	0.024	0.009	0.015	0.04	0.082
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	59 ##	0.03	0.038	0.33	0.005	0.002	0.047	0.005	0.01	0.05	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-07/27/92	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	17 ##	0.02	0.022	0.1	0.01	0.	0.021	0.01	0.01	0.025	0.044
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	47	0.05	0.066	0.23	0.005	0.003	0.058	0.009	0.02	0.08	0.172
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	61	0.6	0.605	1.3	0.2	0.042	0.205	0.32	0.5	0.7	0.88
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	33	0.055	0.078	0.23	0.005	0.003	0.058	0.011	0.035	0.11	0.176
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/02/81-07/27/92	17 ##	0.05	0.053	0.1	0.025	0.	0.017	0.041	0.05	0.05	0.092
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	37	0.2	0.203	0.33	0.12	0.003	0.059	0.12	0.15	0.255	0.29
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	37	0.03	0.047	0.18	0.015	0.002	0.041	0.015	0.015	0.06	0.102
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	64	0.06	0.064	0.15	0.005	0.001	0.025	0.035	0.05	0.07	0.09
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/02/81-07/27/92	16	0.025	0.034	0.09	0.01	0.	0.021	0.017	0.02	0.04	0.069
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	63	0.01	0.02	0.14	0.005	0.	0.022	0.005	0.005	0.02	0.046
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	45	10.	11.078	40.	1.5	39.568	6.29	5.	7.	14.5	17.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/02/81-07/27/92	17	6.8	6.853	8.8	5.6	0.625	0.791	5.76	6.4	7.1	8.32
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/02/81-07/27/92	17	2.5	2.606	3.4	1.8	0.232	0.481	1.96	2.25	3.05	3.32
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/02/81-07/27/92	17	13.	14.176	20.	10.	9.529	3.087	10.	12.	16.	20.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/02/81-07/27/92	17	3.	2.9	3.5	2.3	0.155	0.394	2.3	2.55	3.2	3.42
00940	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	65	18.	18.677	44.	10.	26.628	5.16	13.	16.	20.	24.4
00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	65	17.	18.215	30.	9.	22.953	4.791	12.2	15.	22.	25.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/02/81-07/27/92	17 ##	0.05	0.074	0.2	0.05	0.002	0.04	0.05	0.05	0.1	0.12
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/02/81-07/27/92	17	11.	11.659	15.	9.5	2.158	1.469	9.74	11.	12.5	14.2
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	14 ##	5.	5.571	20.	2.5	21.11	4.595	2.5	2.5	5.	15.
01005	BARIUM, DISSOLVED (UG/L AS BA)	11/02/81-07/27/92	10	40.	41.8	51.	37.	20.844	4.566	37.	37.75	45.25	50.5
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	14 ##	5.	4.393	5.	0.5	2.391	1.546	0.75	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	14 ##	25.	30.714	50.	5.	337.912	18.382	7.5	10.	50.	50.
01035	COBALT, DISSOLVED (UG/L AS CO)	11/02/81-07/27/92	10 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	13	2300.	3613.077	20000.	1050.	25069806.41	5006.976	1090.	1535.	3250.	13640.
01046	IRON, DISSOLVED (UG/L AS FE)	11/02/81-07/27/92	10	280.	286.7	480.	67.	24346.678	156.034	73.3	130.	450.	477.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	14 ##	25.	21.821	25.	1.5	65.523	8.095	2.75	25.	25.	25.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/02/81-07/27/92	10	21.5	29.2	79.	10.	447.511	21.154	10.3	14.5	44.25	75.6
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-07/27/92	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/02/81-07/27/92	10	2.	1.75	3.	0.5	0.514	0.717	0.55	1.	2.	2.9
01075	SILVER, DISSOLVED (UG/L AS AG)	11/02/81-07/27/92	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-07/27/92	9	76.	77.889	92.	67.	94.611	9.727	67.	69.5	88.	92.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-07/27/92	9 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	14 ##	50.	59.643	165.	10.	1732.555	41.624	10.	40.	65.	137.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-07/27/92	9	70.	133.333	540.	30.	25650.	160.156	30.	45.	160.	540.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01130 LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-07/27/92	9	7.	5.667	10.	2.	7.	2.646	2.	3.	7.	10.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	11/02/81-07/27/92	10 ##	0.5	0.55	1.	0.5	0.025	0.158	0.5	0.5	0.5	0.95
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	34	86.5	224.926	1210.	0.5	93663.199	306.044	4.25	33.75	285.	785.
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	34	1.937	1.834	3.083	-0.301	0.783	0.885	0.301	1.525	2.453	2.892
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/02/81-07/27/92	17	60.	102.471	290.	12.	7998.765	89.436	18.4	42.	155.	274.
31625 LOG FECAL COLIFORM, MF, M-FC, 0.7 UM	11/02/81-07/27/92	17	1.778	1.856	2.462	1.079	0.152	0.389	1.257	1.623	2.19	2.438
31625 GM FECAL COLIFORM, MF, M-FC, 0.7 UM	11/02/81-07/27/92	17	120.	187.059	780.	14.	40988.559	202.456	23.6	52.	265.	556.
31673 FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/02/81-07/27/92	17	2.079	2.054	2.892	1.146	0.215	0.464	1.361	1.716	2.405	2.738
31673 LOG FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/02/81-07/27/92	17		113.188								
31673 GM FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	02/28/72-06/16/93	37	5.	6.049	29.	1.	27.11	5.207	2.	2.	8.5	10.4
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	33	1.	1.727	5.	0.	2.126	1.458	0.5	0.5	3.	4.
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	08/03/77-07/27/92	37	117.	159.892	1615.	73.	61245.766	247.479	87.4	103.	135.5	160.2
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	09/11/74-02/01/83	16	90.5	94.5	160.	55.	1083.467	32.916	57.1	65.	112.	147.4
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/02/81-07/27/92	17	57.	63.706	96.	32.	562.221	23.711	35.2	42.5	92.	95.2
70331 SUSPENDED SED SIEVE DIAMETER, % FINER THAN .062MM	03/27/74-05/15/90	14 ##	0.2	0.226	0.9	0.01	0.044	0.209	0.055	0.1	0.25	0.575
71900 MERCURY, TOTAL (UG/L AS HG)	11/02/81-07/27/92	17	50.	60.	160.	15.	1781.125	42.203	17.4	25.	81.	149.6
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)												

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	100	18.95	18.49	27.	6.3	24.394	4.939	11.	15.	22.5	24.
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	56	66.2	64.861	78.1	46.8	78.461	8.858	49.1	57.8	72.	75.
00061 FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	86	7900.	9419.547	38100.	170.	51717469.968	7191.486	1870.	3345.	13325.	18510.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	31	53.	57.677	110.	20.	420.092	20.496	39.	42.	70.	82.8
00076 TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/81-07/27/92	26	22.	23.277	56.	3.2	92.762	9.631	14.4	17.75	27.25	32.6
00077 TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	39	12.	13.336	24.	0.1	21.211	4.606	8.	11.	17.	19.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	69	160.	167.768	348.	70.	2790.004	52.82	110.	140.	190.	240.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	52	150.5	148.885	232.	80.	857.477	29.283	119.6	130.	160.75	190.5
00300 OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	100	8.4	8.498	13.4	4.2	2.181	1.477	6.71	7.6	9.	10.77
00310 BOD, 5 DAY, 20 DEG C MG/L	10/25/71-07/27/92	29	1.5	1.479	3.	0.2	0.375	0.613	0.9	1.1	1.8	2.2
00335 COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	54	23.	25.87	75.	5.	162.039	12.729	13.	18.75	31.	41.5
00400 PH (STANDARD UNITS)	03/20/72-06/16/93	94	6.8	6.781	7.8	6.	0.128	0.358	6.35	6.5	7.	7.15
00400 CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	94	6.8	6.643	7.8	6.	0.148	0.384	6.35	6.5	7.	7.15
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	94	0.158	0.227	1.	0.016	0.04	0.199	0.071	0.1	0.316	0.45
00403 PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	25	7.	7.02	7.7	6.6	0.1	0.316	6.6	6.75	7.25	7.52
00403 CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	25	7.	6.925	7.7	6.6	0.109	0.331	6.6	6.75	7.25	7.52
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	25	0.1	0.119	0.251	0.02	0.005	0.073	0.032	0.057	0.179	0.251
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-06/16/93	86	18.	18.622	43.	2.5	28.541	5.342	14.	16.	22.	24.3
00480 SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	35 ##	0.5	0.362	1.	0.	0.058	0.24	0.056	0.07	0.5	0.5
00496 LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/15/76-06/07/88	1	18700.	18700.	18700.	18700.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	58	26.5	29.448	61.	10.	179.234	13.388	14.	19.	37.	54.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	58	4.5	5.259	17.	1.	10.309	3.211	1.5	3.	7.	10.1
00557 OIL & GREASE, SED. DRY WT, FREON EXTR-GRAV METH, MG/KG	09/24/75-06/07/88	1	323.	323.	323.	323.	0.	0.	**	**	**	**
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/02/81-07/27/92	26	0.03	0.052	0.16	0.005	0.002	0.042	0.017	0.02	0.073	0.126
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	83	0.02	0.036	0.3	0.005	0.002	0.041	0.005	0.01	0.05	0.076
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-07/27/92	17 ##	0.005	0.007	0.03	0.005	0.	0.006	0.005	0.005	0.005	0.014
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	27 ##	0.01	0.015	0.05	0.005	0.	0.013	0.005	0.005	0.02	0.034
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	64	0.05	0.073	0.23	0.005	0.003	0.058	0.005	0.02	0.12	0.15
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	80	0.6	0.667	2.5	0.2	0.114	0.337	0.4	0.5	0.8	0.9
00626 NITROGEN, ORG. KJEL., BOT. DEPOS. (MG/KG-N DRY WGT)	03/27/74-06/07/88	4	0.7	28.45	112.	0.4	3102.517	55.7	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	40	0.085	0.091	0.23	0.005	0.003	0.056	0.011	0.05	0.14	0.15
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/02/81-07/27/92	26 ##	0.05	0.058	0.1	0.025	0.	0.021	0.049	0.05	0.05	0.1
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	50	0.23	0.251	0.81	0.09	0.016	0.127	0.13	0.18	0.303	0.367

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	50	0.03	0.054	0.74	0.015	0.011	0.105	0.015	0.015	0.06	0.09
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	91	0.07	0.073	0.26	0.03	0.001	0.035	0.04	0.05	0.09	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/02/81-07/27/92	26	0.025	0.027	0.06	0.01	0.	0.011	0.017	0.02	0.03	0.04
00668	PHOSPHORUS, TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	09/24/75-06/07/88	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	88	0.01	0.018	0.24	0.005	0.001	0.028	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	57	9.	9.333	20.	1.5	13.539	3.679	4.	7.	11.5	14.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/02/81-07/27/92	26	7.05	7.177	9.7	3.9	1.479	1.216	5.54	6.7	7.825	8.59
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/02/81-07/27/92	26	3.	2.885	3.7	1.7	0.287	0.536	1.98	2.55	3.325	3.53
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/02/81-07/27/92	26	15.5	14.923	21.	7.5	10.934	3.307	9.85	13.	17.25	18.3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/02/81-07/27/92	26	2.65	2.623	3.7	1.	0.263	0.513	1.88	2.5	2.9	3.09
00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/71-06/16/93	92	19.	19.652	35.	6.	26.515	5.149	14.	17.	22.	26.7
00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	91	20.	19.593	32.	7.	21.066	4.59	14.	17.	22.	25.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/02/81-07/27/92	26 ##	0.05	0.083	0.2	0.05	0.003	0.055	0.05	0.05	0.1	0.2
00955	SILICA, DISSOLVED (MG/L AS SiO2)	11/02/81-07/27/92	26	9.5	9.658	14.	6.9	3.007	1.734	7.71	8.275	11.	12.3
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	22 ##	5.	4.705	10.	1.	8.111	2.848	2.5	2.5	5.	10.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/24/75-06/07/88	1	3.1	3.1	3.1	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	11/02/81-07/27/92	13	47.	45.154	54.	31.	39.474	6.283	33.	42.5	49.5	52.8
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	22 ##	5.	6.	20.	0.5	17.119	4.138	0.65	5.	6.25	10.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	22 ##	25.	28.182	50.	5.	275.108	16.586	10.	10.	50.	50.
01035	COBALT, DISSOLVED (UG/L AS CO)	11/02/81-07/27/92	13 ##	1.5	1.538	2.	1.5	0.019	0.139	1.5	1.5	1.5	1.8
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/24/75-06/07/88	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	20	2150.	2122.5	3200.	370.	578482.895	760.581	912.	1725.	2750.	3090.
01046	IRON, DISSOLVED (UG/L AS FE)	11/02/81-07/27/92	13	230.	210.	340.	100.	4383.333	66.207	104.	160.	250.	308.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	22 ##	25.	19.818	25.	1.5	69.656	8.346	4.05	10.	25.	25.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/24/75-06/07/88	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/24/75-06/07/88	1	230.	230.	230.	230.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/02/81-07/27/92	13	44.	41.462	69.	12.	286.936	16.939	15.2	26.	54.	65.8
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-07/27/92	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/02/81-07/27/92	13	3.	4.154	9.	1.	8.141	2.853	1.	1.5	7.	8.6
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/24/75-06/07/88	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	11/02/81-07/27/92	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/24/75-06/07/88	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-07/27/92	12	82.	78.833	100.	47.	304.333	17.445	47.3	69.75	94.	99.1
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-07/27/92	12 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	22 ##	50.	69.773	300.	10.	4560.66	67.533	10.	30.	88.75	179.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/24/75-06/07/88	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-07/27/92	11	60.	73.182	140.	5.	1871.364	43.259	12.	40.	130.	138.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-07/27/92	12	7.	6.917	11.	2.	9.356	3.059	2.	5.	10.	10.7
01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/02/81-07/27/92	13 ##	0.5	0.615	2.	0.5	0.173	0.416	0.5	0.5	0.5	1.4
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/15/76-06/07/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	44	41.	118.727	3000.	0.5	199736.098	446.918	6.	13.5	79.75	135.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-06/16/93	44	1.613	1.51	3.477	-0.301	0.423	0.651	0.772	1.129	1.901	2.13
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.365								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/02/81-07/27/92	26	71.	272.231	4100.	2.	660780.905	812.884	16.4	31.	120.	493.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/02/81-07/27/92	26	1.848	1.84	3.613	0.301	0.39	0.625	1.182	1.491	2.079	2.519
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			69.215								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/02/81-07/27/92	26	140.	216.769	800.	38.	46188.505	214.915	52.4	88.	215.	710.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/02/81-07/27/92	26	2.145	2.186	2.903	1.58	0.123	0.351	1.717	1.944	2.332	2.85
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			153.506								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-06/16/93	51	6.	6.827	27.	0.5	34.064	5.836	0.5	3.	9.	14.4
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/15/76-06/16/93	42	3.	3.89	14.	0.5	11.199	3.346	0.5	1.	5.	9.4
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	0.375	0.375	0.5	0.25	0.031	0.177	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/16/77-06/07/88	2 ##	3.25	3.25	5.	1.5	6.125	2.475	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	2.	2.	2.5	1.5	0.5	0.707	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/16/77-06/07/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/16/77-06/07/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/16/77-06/07/88	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	55	109.	114.509	184.	69.	644.366	25.384	82.8	97.	130.	149.2
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/11/74-02/01/83	10	84.5	93.7	144.	56.	900.678	30.011	57.3	72.75	115.	143.8
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/02/81-07/27/92	26	88.5	80.385	98.	17.	472.566	21.739	44.1	73.5	95.	97.
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	22 ##	0.25	0.311	1.2	0.	0.071	0.266	0.1	0.175	0.288	0.74
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/24/75-06/07/88	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/02/81-07/27/92	26	25.	40.577	190.	14.	1528.974	39.102	17.7	20.	39.25	98.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/71-06/16/93	65	28.2	28.155	32.	23.3	4.132	2.033	25.18	26.9	29.5	31.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/25/71-11/21/85	38	82.4	82.668	90.	74.	17.757	4.214	77.	79.175	85.8	88.34
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/13/73-06/16/93	56	4310.	6888.214	28000.	2350.	27892069.481	5281.294	2964.	3447.5	9275.	15300.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/25/71-01/03/80	24	47.5	51.667	85.	24.	425.884	20.637	25.	32.	70.	82.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/81-07/27/92	15	25.	25.587	41.	1.8	88.506	9.408	10.32	22.	32.	38.6
00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/10/76-10/26/88	22	12.	12.409	17.	7.	6.253	2.501	8.6	11.	14.	16.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/28/72-06/16/93	43	160.	163.07	300.	92.	1829.924	42.778	105.8	140.	180.	219.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/25/71-07/27/92	31	147.	143.968	228.	70.	924.432	30.404	103.6	128.	162.	177.
00300	OXYGEN, DISSOLVED MG/L	10/25/71-06/16/93	65	6.6	6.531	8.8	4.3	0.731	0.855	5.56	6.	7.2	7.58
00310	BOD, 5 DAY, 20 DEG C MG/L	10/25/71-07/27/92	18	1.4	1.35	2.3	0.5	0.169	0.411	0.68	1.15	1.5	1.85
00335	COD, .025N K2CR2O7 MG/L	03/27/74-01/13/88	33	25.	26.03	60.	5.	143.093	11.962	9.4	18.	32.	41.
00400	PH (STANDARD UNITS)	03/20/72-06/16/93	63	6.9	6.874	7.7	6.	0.135	0.368	6.4	6.7	7.2	7.36
00400	CONVERTED PH (STANDARD UNITS)	03/20/72-06/16/93	63	6.9	6.708	7.7	6.	0.163	0.404	6.4	6.7	7.2	7.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/72-06/16/93	63	0.126	0.196	1.	0.02	0.045	0.213	0.044	0.063	0.2	0.398
00403	PH, LAB, STANDARD UNITS SU	10/25/71-07/08/87	14	7.15	7.05	7.5	6.	0.15	0.388	6.3	6.875	7.3	7.45
00403	CONVERTED PH, LAB, STANDARD UNITS	10/25/71-07/08/87	14	7.147	6.815	7.5	6.	0.21	0.458	6.3	6.875	7.3	7.45
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/25/71-07/08/87	14	0.071	0.153	1.	0.032	0.063	0.251	0.036	0.05	0.134	0.626
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/09/74-06/16/93	56	19.	19.107	29.	11.	11.079	3.329	15.	17.25	20.	23.3
00480	SALINITY - PARTS PER THOUSAND	06/15/78-10/22/87	20 ##	0.5	0.364	0.5	0.	0.046	0.213	0.05	0.06	0.5	0.5
00496	LOSS ON IGNITION, BOTTOM DEPOSITS (MG/KG)	09/15/76-06/07/88	10	26200.	31220.5	81400.	560.	492792503.833	22198.93	1704.	17325.	43420.75	77737.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-06/16/93	35	36.	39.086	122.	16.	320.257	17.896	21.6	30.	44.	53.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-06/16/93	34	5.	5.368	11.	1.5	5.141	2.267	3.	4.	6.	9.5
00557	OIL & GREASE,SED,DRY WT,FREON EXTR-GRAV METH,MG/KG	09/24/75-06/07/88	10	304.5	2052.6	18100.	48.	31812168.267	5640.228	52.2	165.75	416.5	16343.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/02/81-07/27/92	16	0.045	0.044	0.11	0.005	0.001	0.026	0.016	0.023	0.06	0.082
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-06/16/93	52	0.035	0.036	0.2	0.005	0.001	0.03	0.007	0.02	0.05	0.05
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-07/27/92	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.006	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/74-06/16/93	18	0.02	0.02	0.05	0.01	0.	0.011	0.01	0.01	0.026	0.041
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-06/16/93	42	0.05	0.07	0.35	0.005	0.004	0.064	0.01	0.038	0.1	0.154
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/10/74-06/16/93	49	0.6	0.751	3.	0.2	0.2	0.447	0.4	0.5	0.86	1.1
00626	NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	03/27/74-06/07/88	12	581.5	1168.742	8400.	0.4	5303168.674	2302.861	0.43	184.25	850.75	6191.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/15/78-07/27/92	25	0.055	0.078	0.19	0.005	0.002	0.049	0.023	0.05	0.115	0.16
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/02/81-07/27/92	16 ##	0.05	0.063	0.3	0.025	0.004	0.064	0.025	0.05	0.05	0.132
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/25/85	32	0.225	0.633	13.	0.	5.106	2.26	0.12	0.18	0.308	0.433
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/25/85	31	0.03	0.03	0.09	0.015	0.	0.019	0.015	0.015	0.03	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-06/16/93	57	0.07	0.146	4.25	0.005	0.307	0.554	0.038	0.05	0.085	0.12
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/02/81-07/27/92	16	0.025	0.032	0.11	0.005	0.001	0.029	0.005	0.01	0.045	0.089
00668	PHOSPHORUS, TOTAL, BOTTOM DEPOSIT (MG/KG-P DRY WGT)	09/24/75-06/07/88	10	221.	286.74	1134.	12.4	105529.387	324.853	15.56	86.	327.25	1066.9
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-06/16/93	54	0.01	0.016	0.1	0.005	0.	0.019	0.005	0.005	0.02	0.035
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/20/74-06/16/93	40	8.	9.775	48.	4.	51.512	7.177	5.	6.	10.75	15.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/02/81-07/27/92	16	7.2	7.225	8.1	6.3	0.317	0.563	6.37	6.9	7.775	8.03
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/02/81-07/27/92	16	2.8	2.819	3.5	1.7	0.195	0.442	2.12	2.6	3.15	3.43
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/02/81-07/27/92	16	15.	13.963	19.	5.4	10.796	3.286	9.32	12.	16.75	17.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/02/81-07/27/92	16	2.5	2.613	3.	2.3	0.057	0.239	2.3	2.425	2.875	3.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/25/71-06/16/93	57	18.	18.281	39.	7.	31.563	5.618	11.6	15.	21.	25.4
00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/71-06/16/93	57	19.	18.035	25.	5.	23.07	4.803	10.8	16.	21.	24.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/02/81-07/27/92	16 ##	0.05	0.069	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00955	SILICA, DISSOLVED (MG/L AS SiO2)	11/02/81-07/27/92	16	10.	9.706	11.	7.3	1.25	1.118	7.72	8.925	10.75	11.
01002	ARSENIC, TOTAL (UG/L AS AS)	03/27/74-05/15/90	14 ##	5.	5.214	10.	2.	5.527	2.351	2.25	4.375	5.25	10.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/24/75-06/07/88	10	4.4	4.627	13.	0.37	12.768	3.573	0.443	2.	6.15	12.36
01005	BARIUM, DISSOLVED (UG/L AS BA)	11/02/81-07/27/92	13	42.	43.077	49.	38.	12.244	3.499	38.8	40.5	46.5	48.6
01027	CADMIUM, TOTAL (UG/L AS CD)	03/27/74-05/15/90	14 ##	5.	6.821	20.	0.5	21.062	4.589	2.75	5.	10.	15.
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/24/75-06/07/88	10 ##	0.243	0.284	0.6	0.1	0.02	0.14	0.11	0.2	0.348	0.577
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/24/75-06/07/88	10	4.6	5.58	17.	0.9	21.344	4.62	1.07	2.75	6.525	16.23
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/74-05/15/90	14 ##	25.	32.857	100.	10.	629.67	25.093	10.	10.	50.	75.
01035	COBALT, DISSOLVED (UG/L AS CO)	11/02/81-07/27/92	13 ##	1.5	1.423	1.5	0.5	0.077	0.277	0.9	1.5	1.5	1.5
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/24/75-06/07/88	10	3.8	4.85	13.	2.4	10.694	3.27	2.45	2.975	5.25	12.51
01045	IRON, TOTAL (UG/L AS FE)	03/27/74-09/28/82	14	2190.	2254.286	4200.	800.	968087.912	983.915	950.	1465.	3120.	3800.
01046	IRON, DISSOLVED (UG/L AS FE)	11/02/81-07/27/92	13	220.	198.846	420.	11.	16150.308	127.084	26.6	72.	275.	404.
01051	LEAD, TOTAL (UG/L AS PB)	03/27/74-05/15/90	14 ##	25.	24.071	60.	7.	152.841	12.363	8.5	21.25	25.	42.5
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/24/75-06/07/88	10	7.1	8.73	25.	0.5	49.987	7.07	0.85	4.3	11.5	24.1
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/24/75-06/07/88	10	405.	488.	820.	190.	45262.222	212.749	201.	330.	710.	812.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/02/81-07/27/92	13	11.	29.538	83.	1.	1007.769	31.745	1.8	4.5	65.	81.8
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/16/82-07/27/92	12 ##	5.	5.417	10.	5.	2.083	1.443	5.	5.	5.	8.5
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/02/81-07/27/92	13	2.	2.077	4.	0.5	1.535	1.239	0.5	1.	3.	4.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/24/75-06/07/88	10	4.45	4.389	11.	0.285	9.352	3.058	0.397	1.85	6.125	10.52
01075	SILVER, DISSOLVED (UG/L AS AG)	11/02/81-07/27/92	13 ##	0.5	0.615	2.	0.5	0.173	0.416	0.5	0.5	0.5	1.4
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	09/24/75-06/07/88	9 ##	0.2	0.423	1.6	0.1	0.223	0.472	0.1	0.2	0.51	1.6
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/16/82-07/27/92	12	84.	81.833	96.	61.	106.515	10.321	63.1	73.5	88.5	95.1
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/16/82-07/27/92	12 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/74-05/15/90	14 ##	50.	41.429	100.	10.	936.264	30.598	10.	10.	50.	100.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/24/75-06/07/88	10	18.5	23.7	43.	12.	136.011	11.662	12.2	14.75	35.75	42.8
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/16/82-07/27/92	12	45.	78.333	400.	10.	11051.515	105.126	13.	25.	77.5	313.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/16/82-07/27/92	12	5.	4.583	8.	2.	4.447	2.109	2.	2.	6.	7.7
01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/02/81-07/27/92	13 ##	0.5	0.615	2.	0.5	0.173	0.416	0.5	0.5	0.5	1.4
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/15/76-06/07/88	10 ##	0.355	0.353	0.5	0.1	0.024	0.156	0.1	0.239	0.5	0.5
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	30	41.5	85.833	840.	10.	23991.385	154.892	17.	25.	68.5	207.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/73-06/16/93	30	1.618	1.668	2.924	1.	0.177	0.42	1.23	1.398	1.836	2.316
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			46.554								
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	11/02/81-07/27/92	16	53.	54.25	96.	12.	621.267	24.925	17.6	32.5	75.	93.2
31625	LOG FECAL COLIFORM, MF, M-FC, 0.7 UM	11/02/81-07/27/92	16	1.724	1.678	1.982	1.079	0.062	0.249	1.234	1.501	1.872	1.969
31625	GM FECAL COLIFORM, MF, M-FC, 0.7 UM	GEOMETRIC MEAN =			47.69								
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/02/81-07/27/92	16	210.	236.625	650.	30.	35278.783	187.826	38.4	98.5	247.5	615.
31673	LOG FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	11/02/81-07/27/92	16	2.322	2.234	2.813	1.477	0.149	0.386	1.579	1.987	2.394	2.789
31673	GM FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	GEOMETRIC MEAN =			171.49								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID, METH.	02/28/72-06/16/93	27	6.	7.756	19.	1.	23.568	4.855	1.8	4.	10.	17.2
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID, METH.	09/15/76-06/16/93	23	4.	3.665	10.3	0.	5.141	2.267	1.4	2.	5.	6.
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	0.5	0.391	0.5	0.015	0.032	0.178	0.015	0.25	0.5	0.5
39351	CHLORDANE (TECH MIX&METABS), SEDIMENTS, DRY WGT, UG/KG	06/16/77-06/07/88	9 ##	2.	2.837	10.	0.03	8.916	2.986	0.03	1.5	3.5	10.
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	1.5	18.059	150.	0.03	2449.33	49.491	0.03	1.	3.25	150.
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	1.	1.225	3.25	0.025	0.999	1.	0.025	0.75	1.75	3.25
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	1.5	1.558	4.	0.025	1.268	1.126	0.025	1.	2.	4.
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	9 ##	1.	0.891	2.5	0.02	0.482	0.694	0.02	0.5	1.	2.5
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	1.5	1.114	2.5	0.025	0.604	0.777	0.025	0.5	1.5	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/16/77-06/07/88	9 ##	10.	13.087	25.	0.285	134.669	11.605	0.285	2.5	25.
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	0.25	0.335	0.5	0.015	0.03	0.173	0.015	0.25	0.5
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	06/16/77-06/07/88	9 ##	0.5	0.447	0.5	0.02	0.026	0.16	0.02	0.5	0.5
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/16/77-06/07/88	9 ##	5.	3.514	10.	0.13	11.201	3.347	0.13	0.5	10.
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	9 ##	10.	6.433	10.	0.4	18.303	4.278	0.4	2.5	10.
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	1.5	1.118	2.5	0.065	0.594	0.77	0.065	0.5	2.5
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/16/77-06/07/88	9 ##	2.5	1.585	2.5	0.265	1.183	1.087	0.265	0.5	2.5
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	06/16/77-06/07/88	9 ##	1.5	1.117	2.5	0.05	0.597	0.773	0.05	0.5	2.5
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	9 ##	5.	5.034	10.	0.305	5.879	2.425	0.305	5.	10.
39783	LINDANE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/16/77-06/07/88	9 ##	0.5	0.446	0.5	0.01	0.027	0.163	0.01	0.5	0.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/77-07/27/92	34	108.5	107.765	149.	77.	317.398	17.816	84.5	93.75	135.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/11/74-02/01/83	6	108.5	110.667	132.	90.	199.067	14.109	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	11/02/81-07/27/92	16	82.	79.688	99.	37.	328.496	18.124	48.2	68.25	98.3
71900	MERCURY, TOTAL (UG/L AS HG)	03/27/74-05/15/90	14 ##	0.25	0.557	2.6	0.1	0.537	0.733	0.1	0.2	2.1
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/24/75-06/07/88	10	0.05	0.096	0.3	0.03	0.008	0.087	0.031	0.048	0.29
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	11/02/81-07/27/92	16	41.	45.125	98.	13.	512.517	22.639	21.4	27.25	88.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: BITH0035

NPS Station ID: BITH0035
 Location: NECHES R AT EVADALE, TEXAS
 Station Type: /TYP/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin:
 Minor Basin:
 RF1 Index: 12020003003
 RF3 Index: 12030203072400.00
 Description:

LAT/LON: 30.356115/ -94.093337

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 9.590
 RF3 Mile Point: 0.47

Agency: 112WRD
 FIPS State/County: 48001 TEXAS/ANDERSON
 STORET Station ID(s): 08041001
 Within Park Boundary: Yes

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 10.50
 Distance from RF3: 0.01

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: BITH0035

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	11/01/63-11/09/63	1	451.	451.	451.	451.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/63-11/09/63	1	211.	211.	211.	211.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	11/01/63-11/09/63	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	11/01/63-11/09/63	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/63-11/09/63	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	11/01/63-11/09/63	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	11/01/63-11/09/63	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	11/01/63-11/09/63	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	11/01/63-11/09/63	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	11/01/63-11/09/63	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	11/01/63-11/09/63	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS Na)	11/01/63-11/09/63	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	11/01/63-11/09/63	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	11/01/63-11/09/63	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	11/01/63-11/09/63	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO2)	11/01/63-11/09/63	1	19.	19.	19.	19.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	11/01/63-11/09/63	1	129.	129.	129.	129.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	11/01/63-11/09/63	1	157.	157.	157.	157.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/01/63-11/09/63	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/01/63-11/09/63	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)	11/01/63-11/09/63	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0035

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
00400 PH	Other-Hi Lim.	9.	1	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0036

NPS Station ID: BITH0036
 Location: MENARD CREEK NR RYE, TX
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12030202
 Major Basin:
 Minor Basin:
 RF1 Index: 12030202
 RF3 Index: 12030202125500.38
 Description:

LAT/LON: 30.481115/ -94.779448

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 4.54

Agency: 112WRD
 FIPS State/County: 48291 TEXAS/LIBERTY
 STORET Station ID(s): 08066300
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.07

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	207	19.	19.639	29.5	6.	37.582	6.13	11.	15.	25.	27.84
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	66	21.	139.045	5410.	4.	467579.398	683.798	7.7	13.5	41.25	84.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	151	65.	160.404	2350.	11.	96791.402	311.113	17.	34.	141.	358.6
00065	STAGE, STREAM (FEET)	10/15/81-07/24/89	64	9.345	9.698	16.1	7.6	3.194	1.787	7.95	8.547	10.003	12.93
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	223	107.	170.812	1150.	44.	24165.09	155.451	71.	84.	195.	369.6
00400	PH (STANDARD UNITS)	02/20/64-10/24/79	125	6.3	6.266	7.9	5.3	0.135	0.367	5.8	6.1	6.5	6.7
00400	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	125	6.3	6.11	7.9	5.3	0.16	0.4	5.8	6.1	6.5	6.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	125	0.501	0.776	5.012	0.013	0.664	0.815	0.2	0.316	0.794	1.585
00403	PH, LAB, STANDARD UNITS SU	11/04/80-08/13/92	90	7.	6.978	7.9	5.3	0.217	0.466	6.4	6.775	7.3	7.5
00403	CONVERTED PH, LAB, STANDARD UNITS	11/04/80-08/13/92	90	7.	6.641	7.9	5.3	0.332	0.576	6.4	6.775	7.3	7.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/80-08/13/92	90	0.1	0.229	5.012	0.013	0.326	0.571	0.032	0.05	0.169	0.398
00405	CARBON DIOXIDE (MG/L AS CO2)	12/04/70-10/24/79	58	11.	14.295	72.	0.3	137.657	11.733	4.25	6.4	19.25	25.1
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	219	11.	10.361	26.	2.	8.975	2.996	7.	8.	12.	14.
00440	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	133	13.	13.023	32.	4.	16.249	4.031	8.	10.	16.	17.
00445	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	129	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/04/70-05/28/71	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/02/69-10/29/73	42	0.06	0.096	0.4	0.	0.014	0.116	0.	0.	0.125	0.3
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	153	24.	31.19	134.	11.	376.273	19.398	17.	19.	36.	54.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	153	14.	20.575	124.	3.	364.97	19.104	6.	9.	23.5	45.8
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	216	6.	7.914	44.	3.2	30.944	5.563	4.5	4.9	9.	14.3
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	216	1.4	1.654	6.2	0.5	0.724	0.851	1.	1.2	1.8	2.7
00930p	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	174	11.	17.884	165.	4.2	388.197	19.703	6.85	8.575	19.	40.5
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	141	1.6	1.81	6.2	0.3	1.178	1.086	0.8	1.	2.2	3.38
00932	SODIUM, PERCENT	04/04/66-02/23/83	116	60.	58.56	76.	33.	80.562	8.976	47.	50.	66.	70.
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/02/69-01/16/80	46	21.5	29.183	110.	3.2	707.269	26.595	7.97	9.925	31.	76.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	159	1.1	1.179	3.3	0.7	0.146	0.382	0.8	0.9	1.3	1.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	222	23.	41.414	345.	7.	2151.782	46.387	13.	15.75	48.	101.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	215	4.	4.541	28.	0.	10.514	3.242	2.	2.	6.	9.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	207	0.05	0.062	0.4	0.	0.003	0.057	0.	0.	0.1	0.1
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	215	12.	11.842	20.	0.4	6.325	2.515	8.82	11.	13.	15.
39036	ALKALINITY,FILTERED SAMPLE AS CaCO3 MG/L	10/30/89-08/13/92	19	10.	10.684	15.	7.	4.45	2.11	7.	10.	12.	14.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/20/64-09/29/67	20	134.5	147.05	579.	38.	13801.839	117.481	42.8	58.5	186.	216.9
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	124	79.	104.645	481.	34.	5962.93	77.22	51.	56.	111.75	214.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	132	11.2	31.139	1210.01	0.62	12553.965	112.044	2.257	6.053	20.275	45.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	145	0.11	0.15	0.79	0.05	0.013	0.115	0.07	0.08	0.165	0.294
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/20/64-05/28/71	39	0.2	0.282	1.3	0.	0.082	0.286	0.	0.	0.5	0.6
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/05/81-06/11/81	4	0.85	0.925	1.2	0.8	0.036	0.189	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

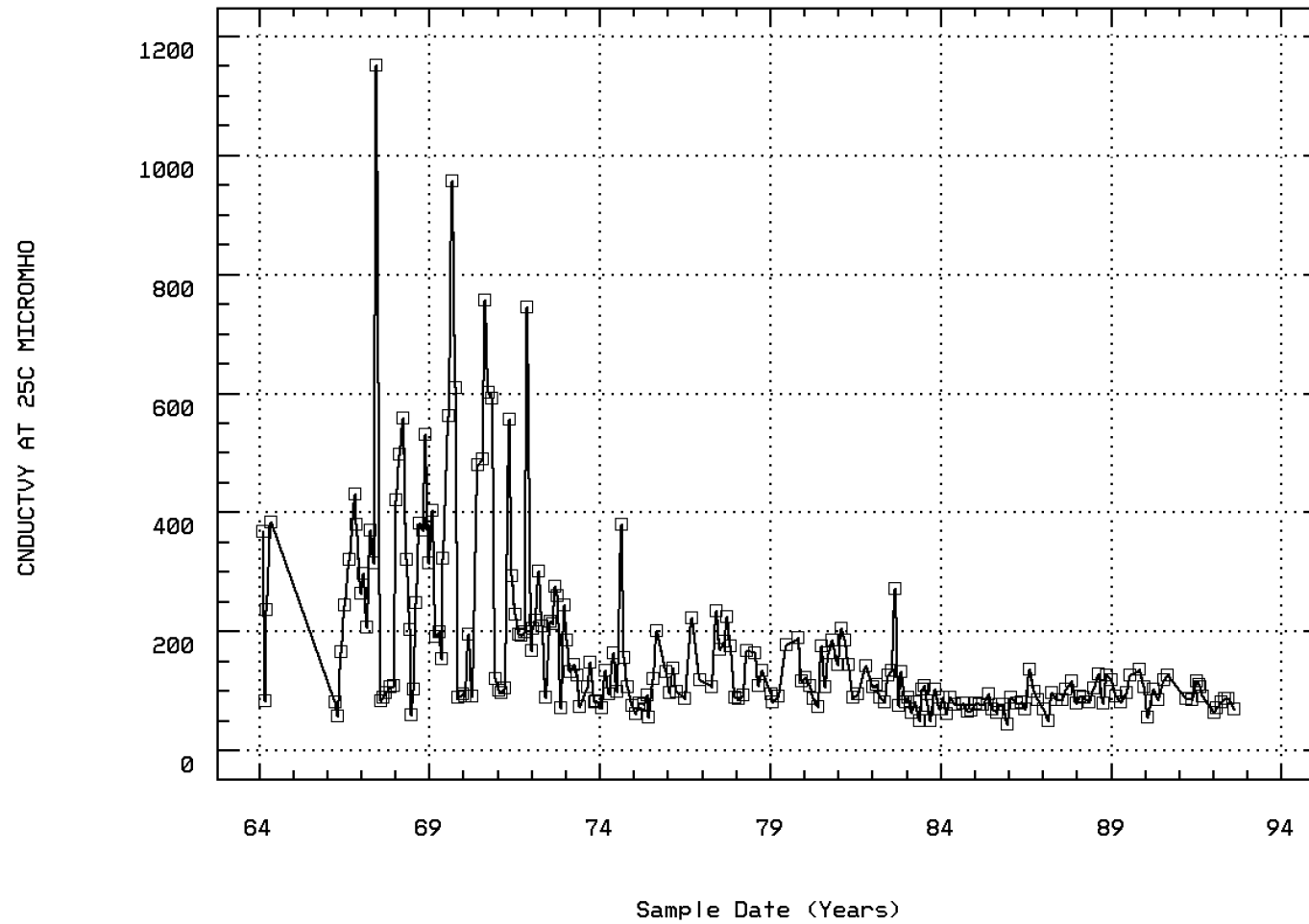
EPA Water Quality Criteria Analysis for Station: BITH0036

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH																
	Other-Hi Lim.	9.	125	0	0.00	27	0	0.00	32	0	0.00	42	0	0.00	24	0	0.00
	Other-Lo Lim.	6.5	125	100	0.80	27	16	0.59	32	29	0.91	42	37	0.88	24	18	0.75
00403	PH, LAB																
	Other-Hi Lim.	9.	90	0	0.00	17	0	0.00	20	0	0.00	31	0	0.00	22	0	0.00
	Other-Lo Lim.	6.5	90	13	0.14	17	3	0.18	20	3	0.15	31	4	0.13	22	3	0.14
00618	NITRATE NITROGEN, DISSOLVED AS N																
	Drinking Water	10.	5	0	0.00				2	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N																
	Drinking Water	10.	42	0	0.00	10	0	0.00	12	0	0.00	13	0	0.00	7	0	0.00
00940	CHLORIDE, TOTAL IN WATER																
	Fresh Acute	860.	222	0	0.00	45	0	0.00	53	0	0.00	76	0	0.00	48	0	0.00
00945	SULFATE, TOTAL (AS SO4)																
	Drinking Water	400.	215	0	0.00	45	0	0.00	53	0	0.00	72	0	0.00	45	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)																
	Drinking Water	44.	39	0	0.00	8	0	0.00	10	0	0.00	15	0	0.00	6	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station: BITH0036 Parameter Code: 00095

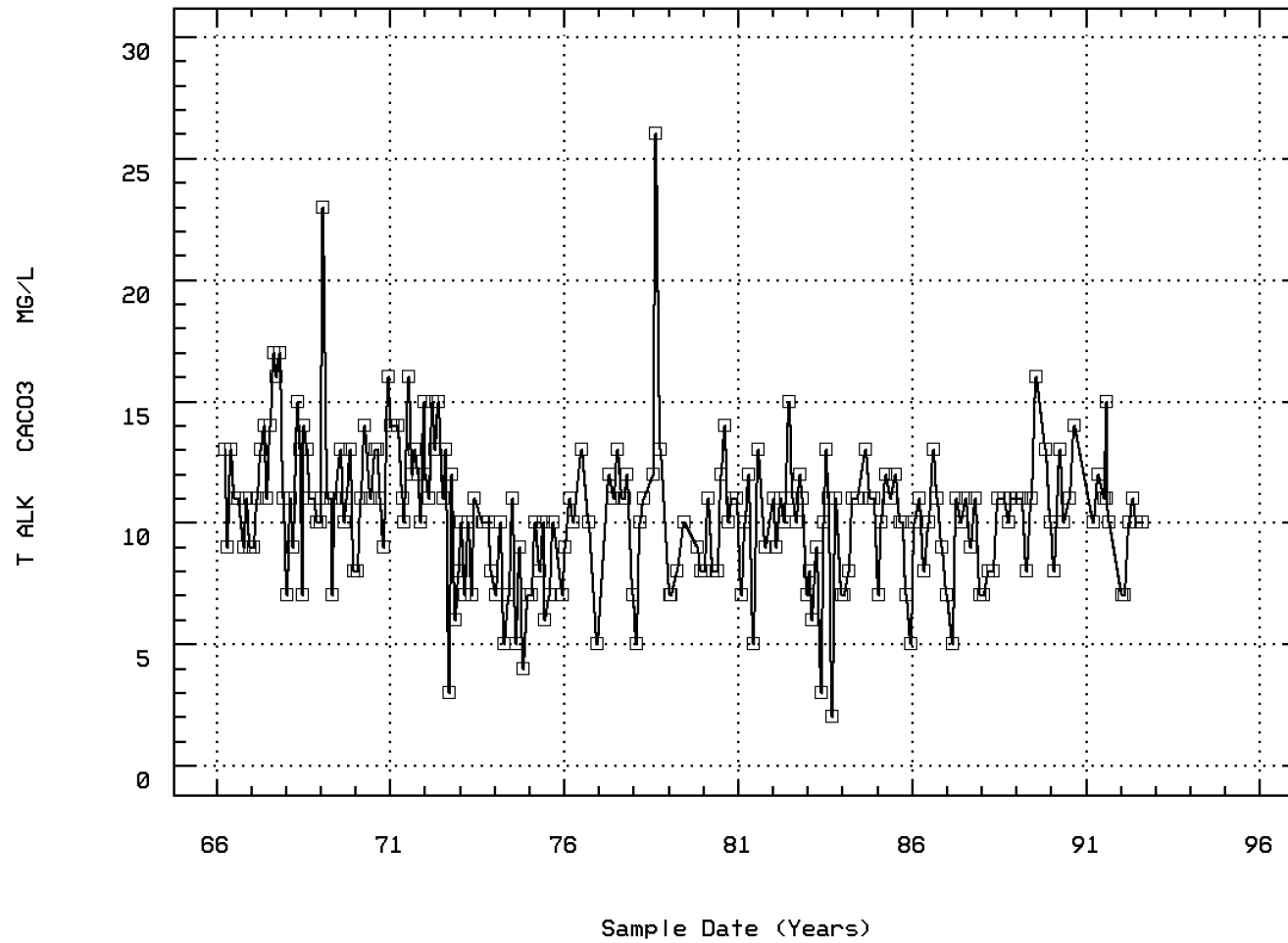
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00410

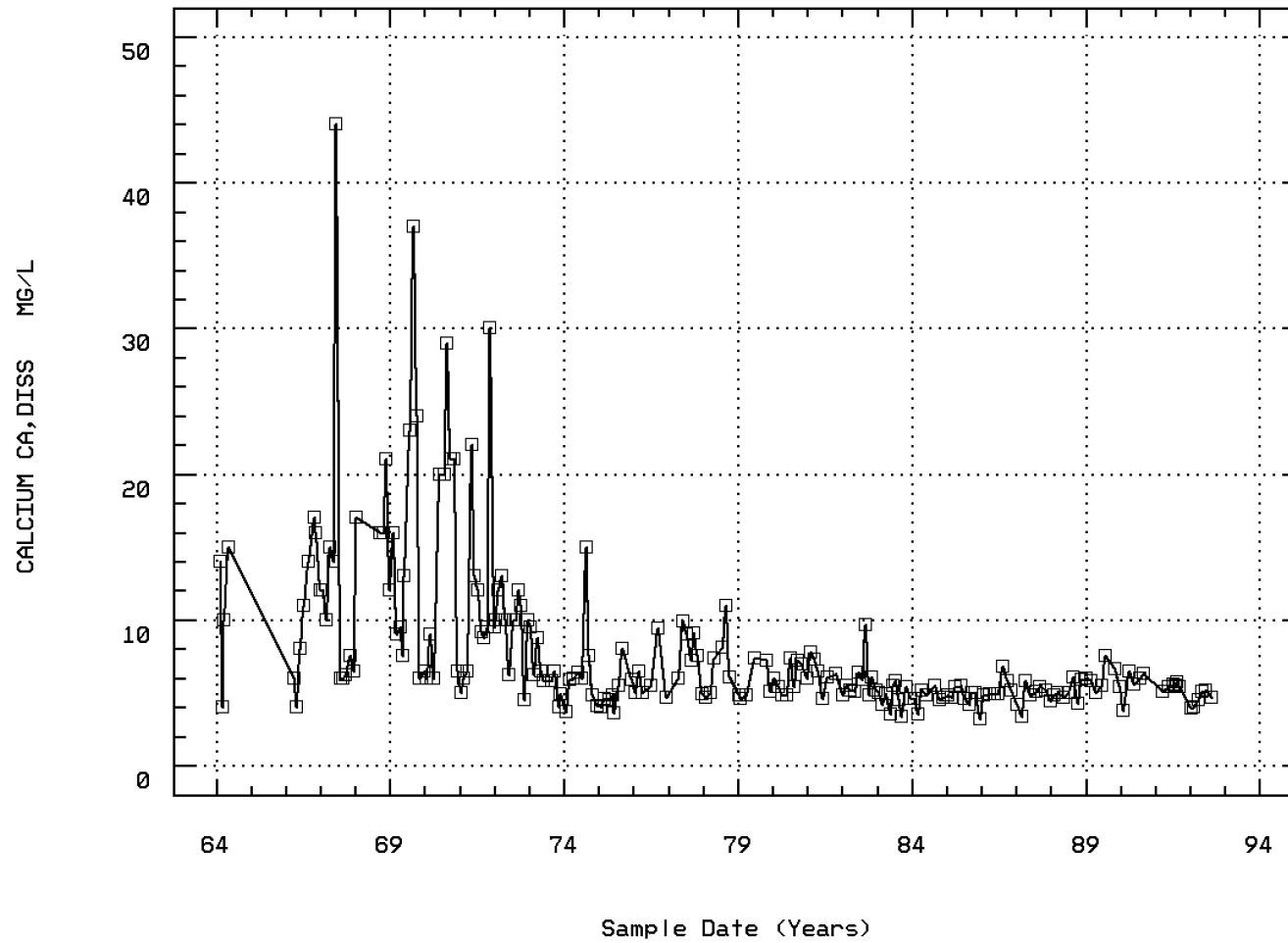
ALKALINITY, TOTAL (MG/L AS CaCO3)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00915

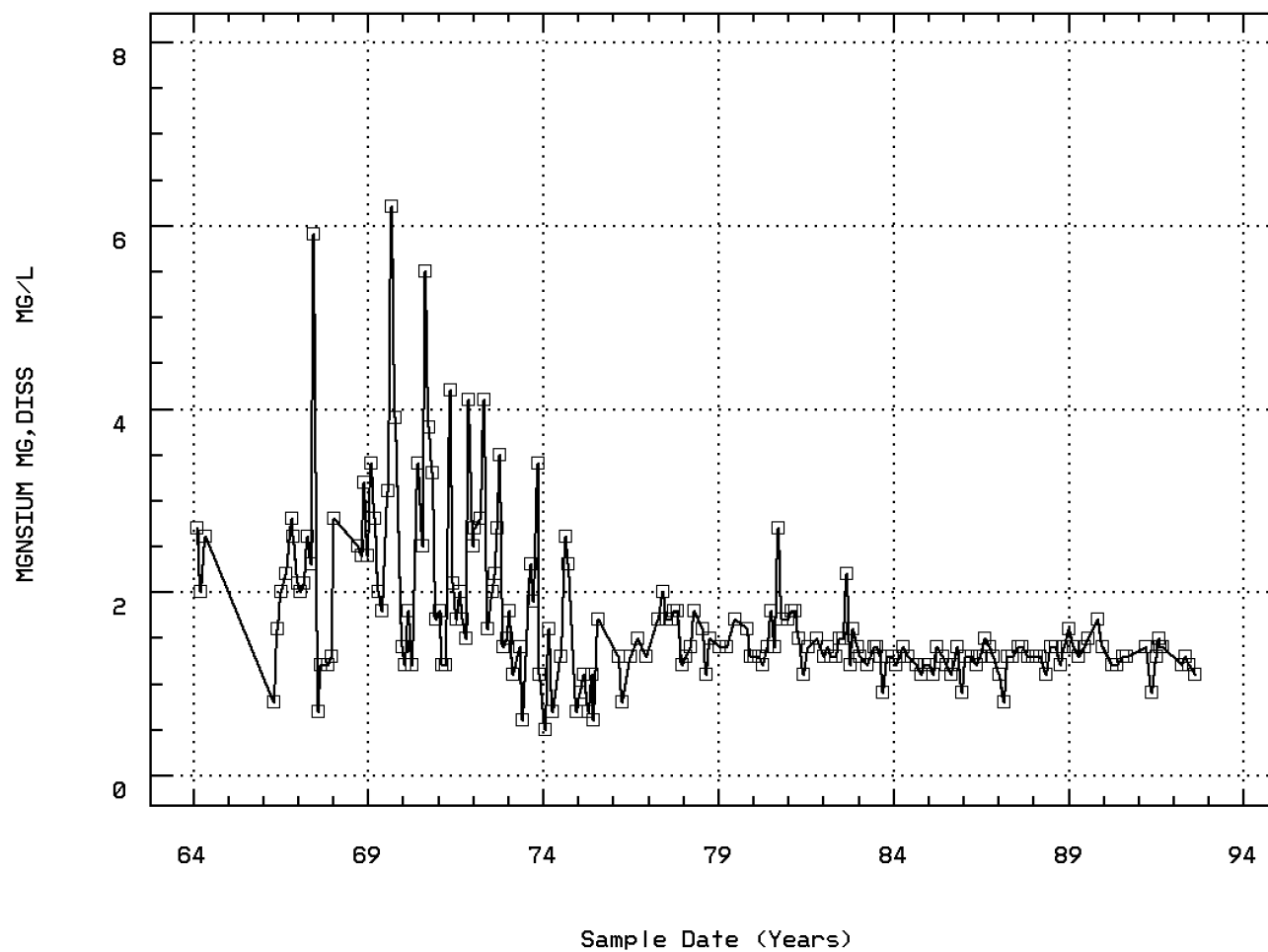
CALCIUM, DISSOLVED (MG/L AS CA)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00925

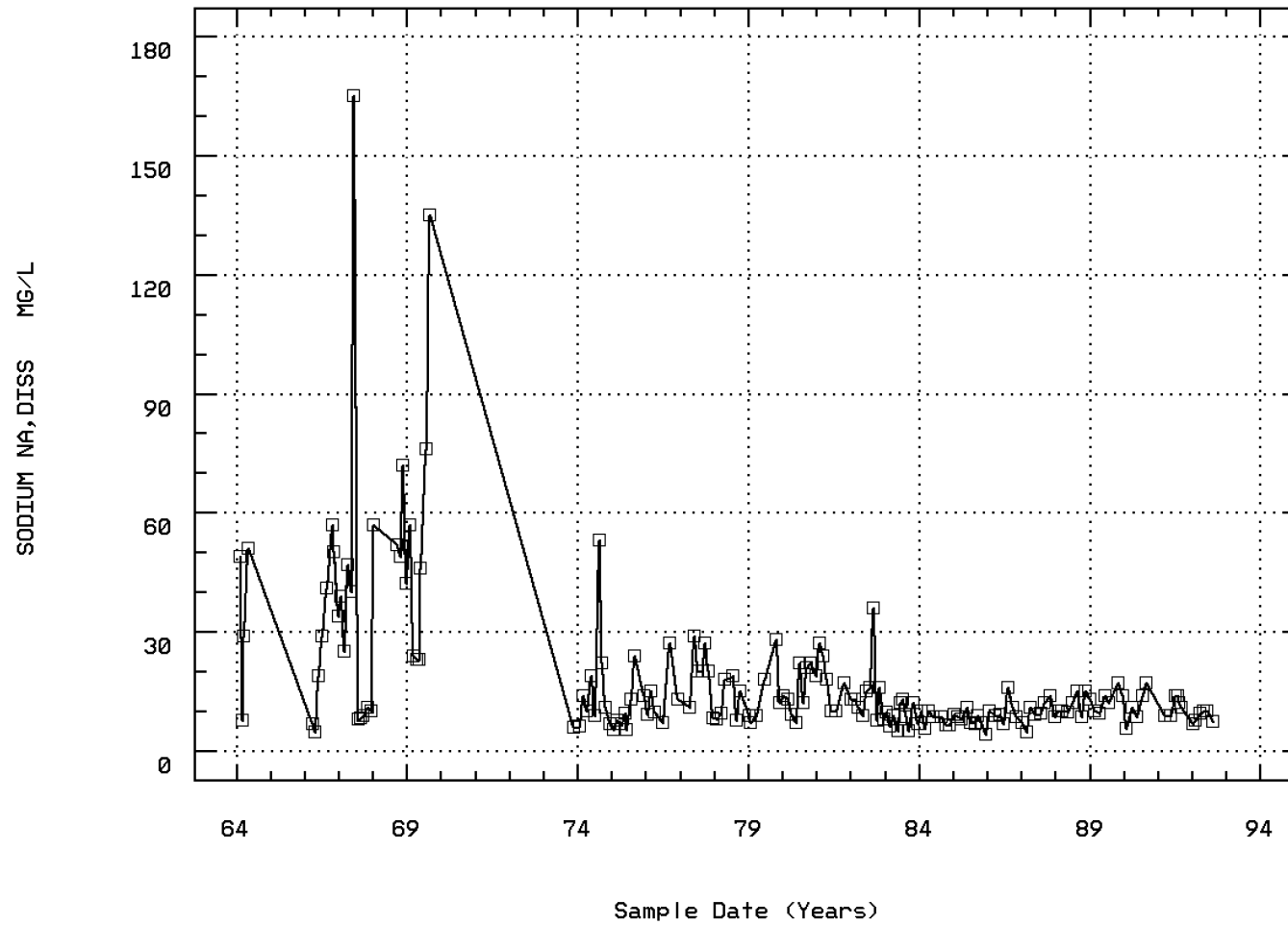
MAGNESIUM, DISSOLVED (MG/L AS MG)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00930

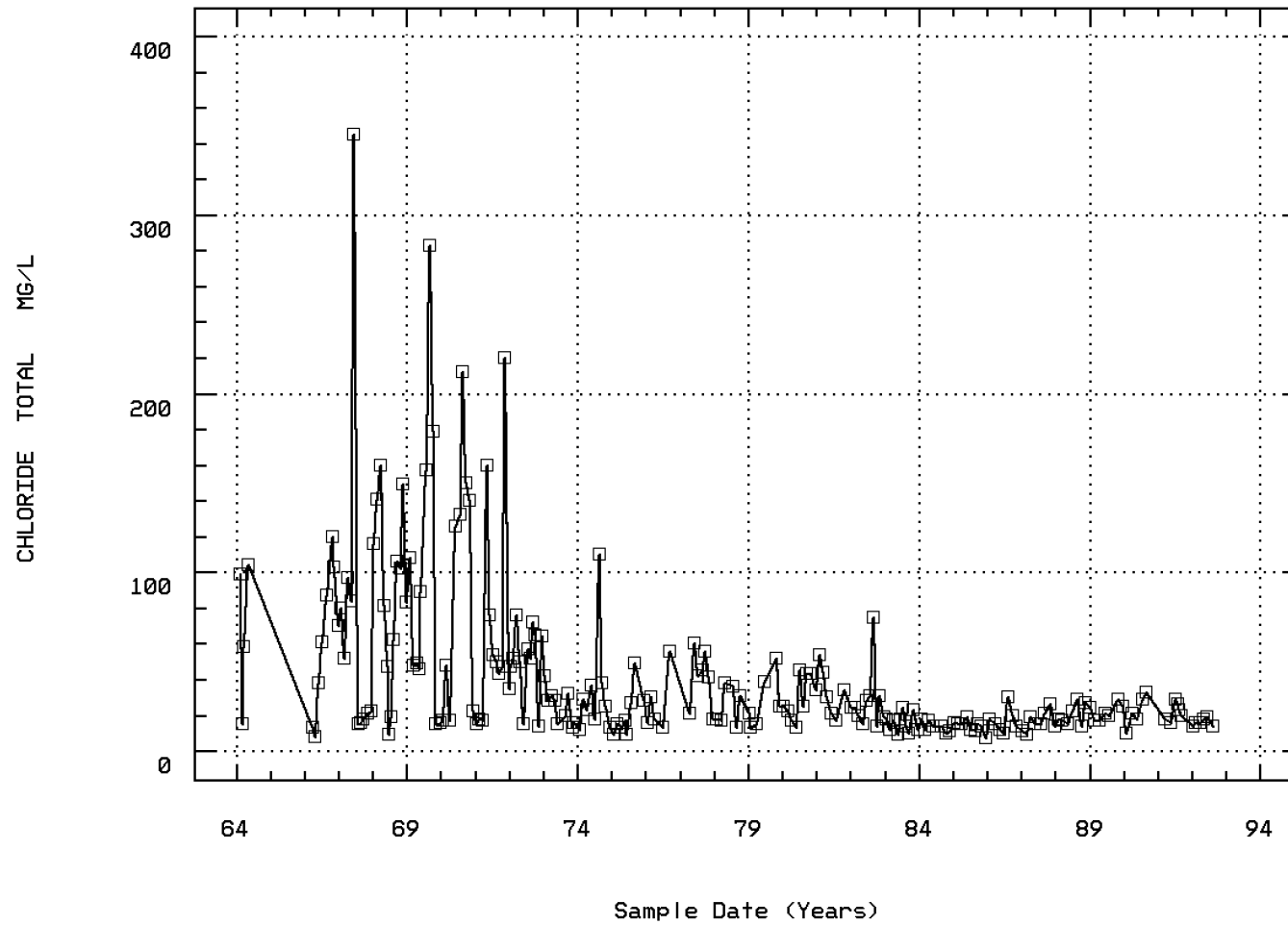
SODIUM, DISSOLVED (MG/L AS NA)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00940

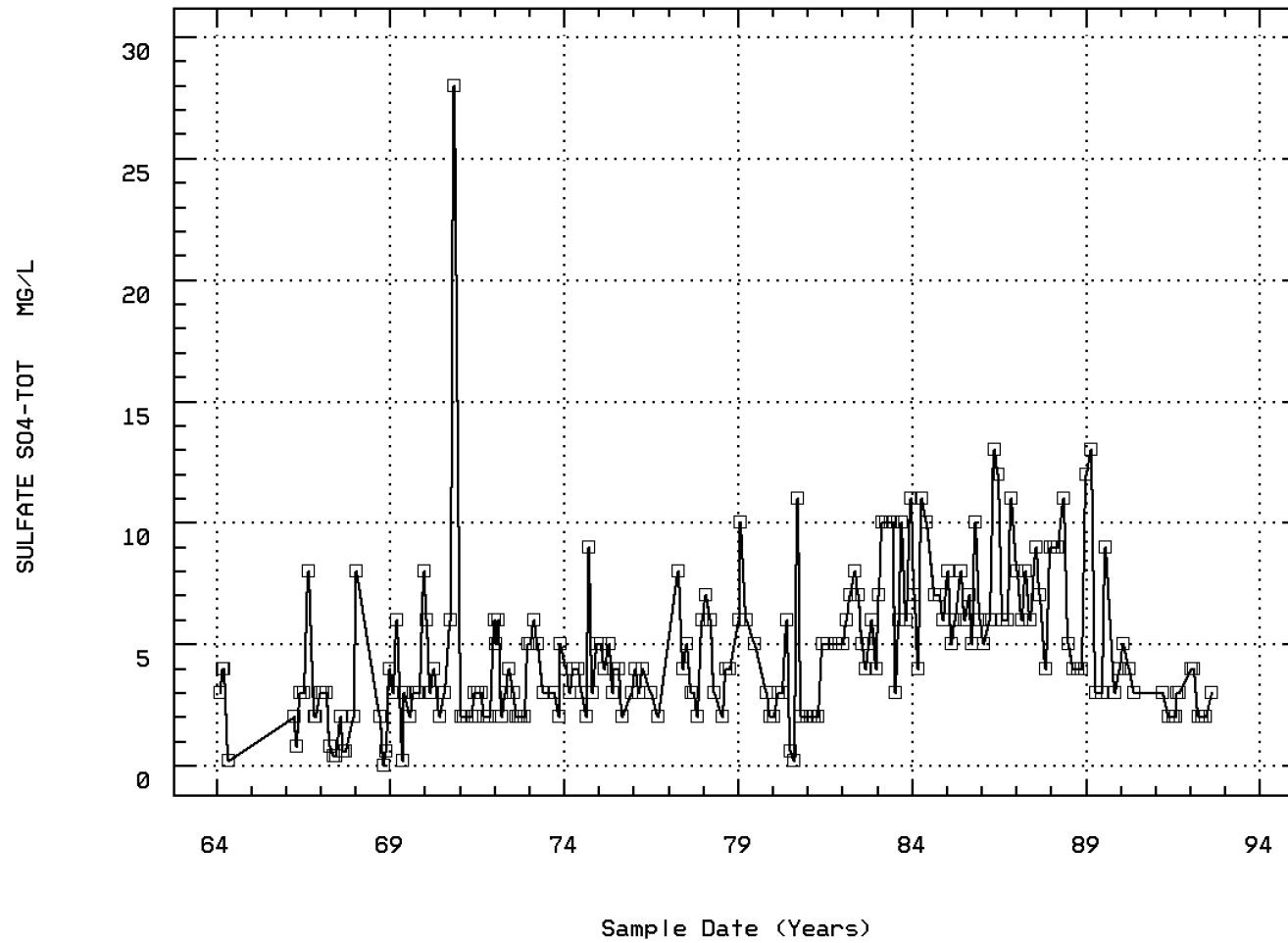
CHLORIDE, TOTAL IN WATER



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00945

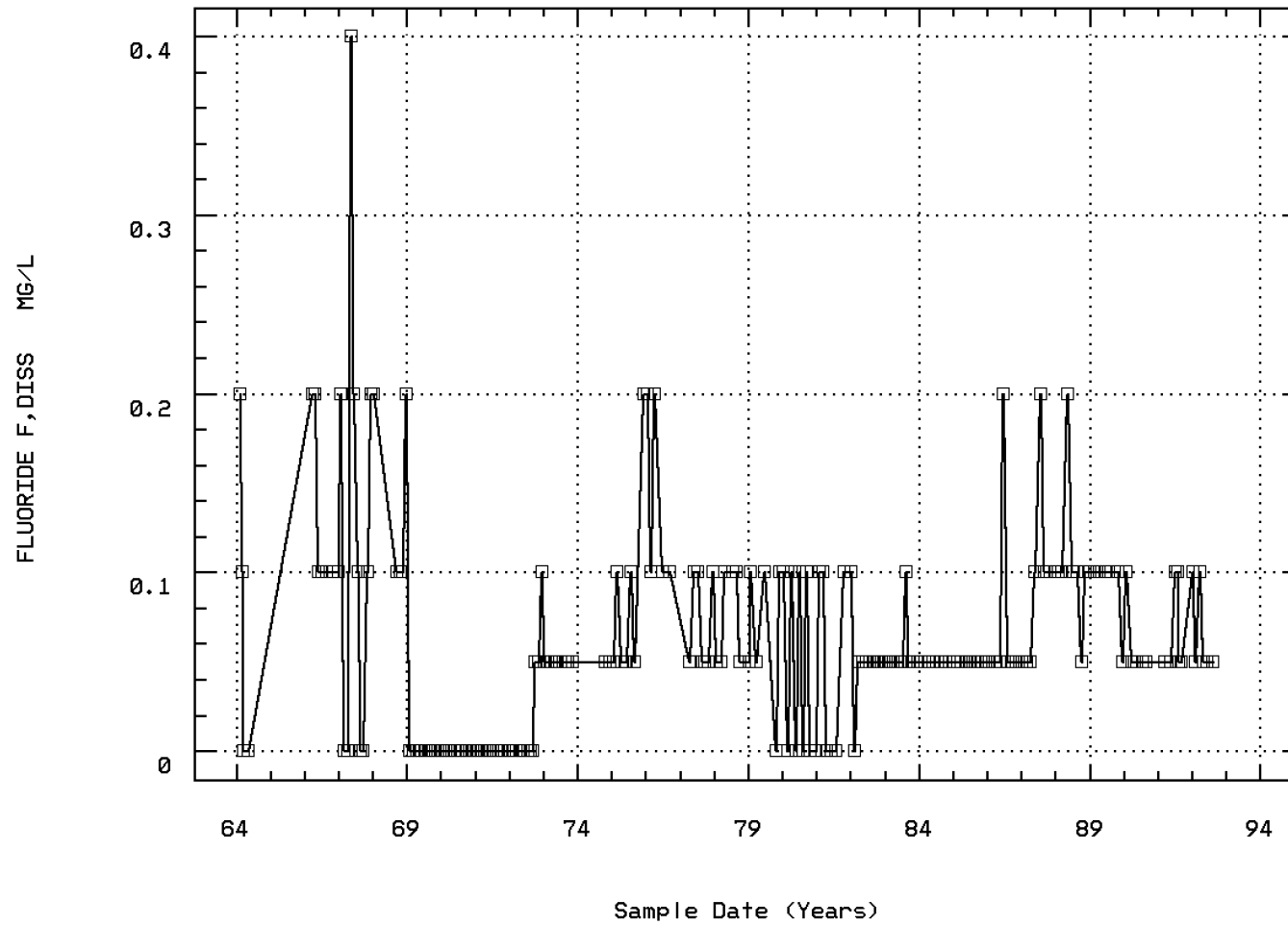
SULFATE, TOTAL (MG/L AS SO4)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00950

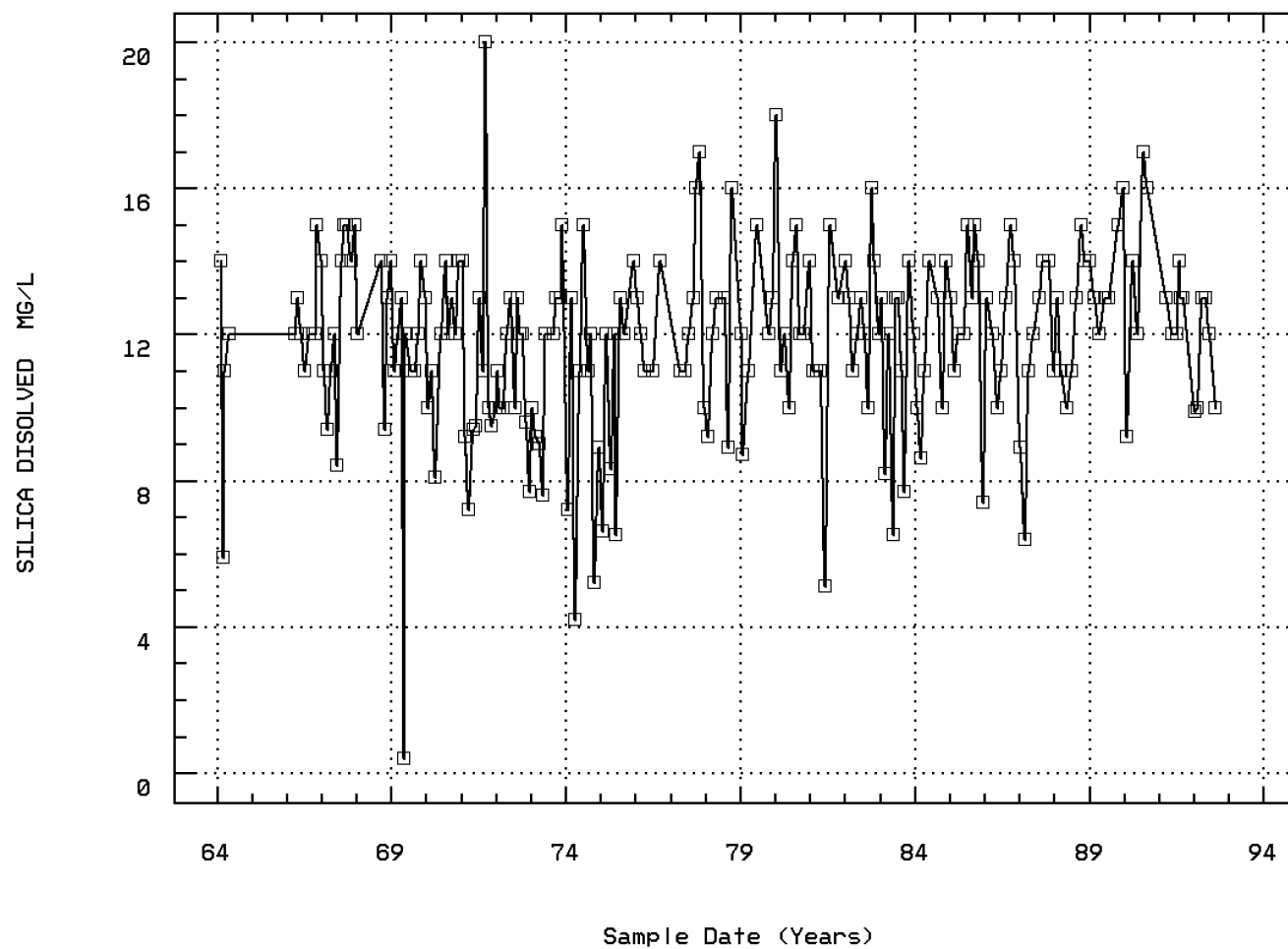
FLUORIDE, DISSOLVED (MG/L AS F)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00955

SILICA, DISSOLVED (MG/L AS SI02)



MENARD CREEK NR RYE, TX

Annual Analysis for 1964 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	4	66.	161.5	476.	38.	44428.333	210.78	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	4	301.	267.	384.	82.	19646.	140.164	**	**	**	**
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	4	5.95	5.85	6.1	5.4	0.11	0.332	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	4	5.925	5.747	6.1	5.4	0.124	0.352	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	4	1.19	1.789	3.981	0.794	2.275	1.508	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	4	11.	10.5	14.	6.	11.667	3.416	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	4	39.5	35.25	48.	14.	244.917	15.65	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	4	30.	26.75	38.	9.	186.917	13.672	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	4	12.	10.75	15.	4.	24.917	4.992	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	4	2.3	2.075	2.7	1.	0.609	0.78	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	4	39.	34.175	51.	7.7	410.189	20.253	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	4	2.65	2.35	3.2	0.9	1.137	1.066	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	4	78.5	69.	104.	15.	1720.667	41.481	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	4	3.5	2.8	4.	0.2	3.227	1.796	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	4	0.05	0.075	0.2	0.	0.009	0.096	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	4	11.5	10.725	14.	5.9	11.903	3.45	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	4	0.205	0.183	0.26	0.06	0.009	0.093	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1966 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	7	18.3	19.129	27.8	12.2	24.726	4.972	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	8	27.	41.75	148.	14.	1933.929	43.976	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	8	254.	242.625	430.	57.	18086.268	134.485	**	**	**	**
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	8	6.25	6.25	6.6	6.	0.031	0.177	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	8	6.247	6.221	6.6	6.	0.032	0.18	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	8	0.566	0.601	1.	0.251	0.05	0.224	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	8	11.	10.75	13.	9.	2.786	1.669	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	8	13.5	13.625	16.	12.	2.839	1.685	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	8	37.5	35.375	54.	13.	216.839	14.725	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	8	26.5	23.875	44.	3.	230.982	15.198	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	8	11.5	11.	17.	4.	22.	4.69	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	8	2.05	1.888	2.8	0.8	0.507	0.712	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	8	31.5	30.188	57.	4.6	366.641	19.148	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	8	2.25	2.075	3.4	0.6	1.085	1.042	**	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	8	63.5	59.125	69.	41.	119.268	10.921	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	8	1.5	1.475	1.9	0.9	0.148	0.385	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	8	65.5	62.5	120.	8.	1660.857	40.754	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	8	2.5	2.975	8.	0.8	4.691	2.166	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	8	0.1	0.125	0.2	0.1	0.002	0.046	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	8	12.	12.625	15.	11.	1.696	1.302	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	8	8.4	10.111	18.8	4.75	21.434	4.63	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	8	0.18	0.175	0.3	0.05	0.008	0.091	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	9	17.8	19.156	24.4	12.8	20.155	4.489	12.8	15.2	23.9	24.4
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	8	14.5	14.5	26.	4.	82.857	9.103	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	10	157.5	282.	1150.	82.	104519.778	323.295	82.7	94.25	328.5	1071.9
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	10	6.5	6.48	7.	6.	0.086	0.294	6.02	6.275	6.7	6.97
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	10	6.489	6.394	7.	6.	0.094	0.307	6.02	6.275	6.7	6.97
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	10	0.325	0.403	1.	0.1	0.072	0.268	0.11	0.2	0.534	0.963
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	10	13.5	13.3	17.	9.	7.789	2.791	9.2	11.	16.25	17.
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	10	16.5	16.3	21.	12.	10.9	3.302	12.1	13.	19.5	21.
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	10	29.	40.2	134.	18.	1202.178	34.672	18.2	20.	45.	125.4
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	10	16.5	26.8	124.	3.	1310.844	36.206	3.1	4.	31.25	115.1
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	10	8.75	12.72	44.	6.	132.44	11.508	6.	6.15	14.25	41.1
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	10	1.65	2.03	5.9	0.7	2.236	1.495	0.73	1.15	2.375	5.57
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	10	18.	36.22	165.	7.9	2277.157	47.72	7.94	8.825	41.75	153.2
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	10	1.45	2.07	6.2	0.8	2.84	1.685	0.8	0.875	2.75	5.87
00932	SODIUM, PERCENT	04/04/66-02/23/83	10	55.5	57.4	72.	46.	102.711	10.135	46.1	47.75	67.25	71.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	8	1.45	1.625	3.3	1.1	0.502	0.709	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	10	37.	75.	345.	15.	10008.222	100.041	15.1	17.5	87.25	320.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	10	0.9	1.38	3.	0.4	1.071	1.035	0.4	0.55	2.25	3.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	10	0.1	0.12	0.4	0.	0.017	0.132	0.	0.	0.2	0.38
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	10	13.	12.48	15.	8.4	6.046	2.459	8.5	10.6	15.	15.
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	2	64.5	64.5	66.	63.	4.5	2.121	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	8	5.275	9.194	40.6	0.62	179.818	13.41	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	10	0.12	0.203	0.79	0.07	0.047	0.217	0.071	0.08	0.228	0.736

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Annual Analysis for 1968 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	12	19.5	17.833	28.	7.	49.424	7.03	7.9	10.5	24.25	27.4
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	10	29.5	171.	1440.	11.	199139.556	446.251	11.4	15.	49.25	1303.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	12	345.	333.417	557.	60.	25458.447	159.557	72.6	213.25	477.25	548.9
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	12	6.35	6.358	6.7	5.9	0.064	0.254	5.93	6.2	6.6	6.6
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	12	6.347	6.287	6.7	5.9	0.07	0.264	5.93	6.2	6.6	6.67
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	12	0.45	0.516	1.259	0.2	0.107	0.327	0.215	0.251	0.631	1.181
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	12	11.	10.917	15.	7.	6.447	2.539	7.	9.25	13.	14.7
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	12	13.	13.25	18.	8.	9.659	3.108	8.3	11.25	16.	17.7
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	12	48.	45.083	68.	14.	284.629	16.871	16.4	33.75	60.	67.4
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	12	34.5	34.167	59.	7.	305.97	17.492	7.3	20.75	50.	58.1
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	5	16.	16.4	21.	12.	10.3	3.209	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	5	2.5	2.66	3.2	2.4	0.118	0.344	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	5	52.	54.4	72.	42.	126.3	11.238	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	5	3.2	3.28	3.9	2.9	0.157	0.396	**	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	5	70.	69.2	70.	67.	1.7	1.304	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	2	1.7	1.7	2.	1.4	0.18	0.424	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	12	92.5	89.583	160.	9.	2401.902	49.009	12.	50.75	134.75	156.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	5	2.	2.92	8.	0.	10.432	3.23	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	5	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	5	13.	12.48	14.	9.4	3.652	1.911	**	**	**	**
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	5	200.	207.4	268.	164.	1519.8	38.985	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	4	9.85	10.87	18.2	5.58	29.973	5.475	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	5	0.27	0.282	0.36	0.22	0.003	0.052	**	**	**	**

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Annual Analysis for 1969 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	9	21.	20.056	28.	11.	31.715	5.632	11.	15.25	24.25	28.
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	9	26.	626.889	5410.	7.	3217593.361	1793.765	7.	14.	55.5	5410.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	10	260.5	357.6	957.	88.	78290.044	279.804	88.6	138.25	573.5	922.1
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	10	6.4	6.32	6.7	5.8	0.071	0.266	5.83	6.1	6.5	6.68
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	10	6.4	6.24	6.7	5.8	0.078	0.279	5.83	6.1	6.5	6.68
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	10	0.398	0.575	1.585	0.2	0.169	0.411	0.211	0.316	0.794	1.506
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	10	11.	11.8	23.	7.	19.067	4.367	7.1	9.5	13.	22.
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	10	14.	14.5	28.	8.	28.722	5.359	8.2	11.5	16.	26.8
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	10	37.	48.8	118.	19.	983.956	31.368	19.3	22.75	71.5	113.8
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	10	26.	36.9	108.	6.	961.433	31.007	6.8	15.5	58.75	103.6
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	10	11.25	15.15	37.	6.	101.058	10.053	6.05	7.25	23.25	35.7
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	10	2.4	2.66	6.2	1.	2.567	1.602	1.	1.3	3.525	5.97
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	7	46.	54.857	135.	23.	1655.81	40.692	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	10	2.65	2.75	5.4	0.7	2.436	1.561	0.71	1.55	4.025	5.3
00932	SODIUM, PERCENT	04/04/66-02/23/83	10	69.5	63.9	72.	44.	101.878	10.093	44.5	58.	71.25	72.
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	10	69.	99.	283.	15.	7295.111	85.411	15.1	38.5	162.5	272.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	10	3.	3.22	8.	0.2	5.151	2.27	0.28	1.75	3.75	7.8
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	10	12.	10.94	14.	0.4	14.703	3.834	1.46	11.	13.	13.9
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	10	141.	187.2	481.	55.	18901.067	137.481	55.3	76.75	289.	464.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	9	14.9	145.908	1210.01	0.97	159288.735	399.11	0.97	6.395	21.8	1210.01
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	10	0.19	0.253	0.65	0.07	0.035	0.187	0.071	0.103	0.393	0.628

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Annual Analysis for 1970 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	8	21.5	20.188	29.	7.5	61.781	7.86	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	9	20.	18.556	30.	10.	65.278	8.079	10.	11.	26.5	30.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	9	479.	379.444	757.	90.	65909.778	256.729	90.	105.5	596.5	757.
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	9	6.5	6.467	6.9	6.1	0.08	0.283	6.1	6.2	6.7	6.9
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	9	6.5	6.391	6.9	6.1	0.086	0.294	6.1	6.2	6.7	6.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	9	0.316	0.407	0.794	0.126	0.057	0.239	0.126	0.205	0.631	0.794
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	9	11.	11.778	16.	8.	6.194	2.489	8.	10.	13.5	16.
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	9	14.	14.444	19.	10.	8.278	2.877	10.	12.	16.5	19.
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	9	60.	49.556	95.	20.	728.528	26.991	20.	21.5	67.	95.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	9	47.	37.667	82.	6.	743.5	27.267	6.	9.5	56.5	82.
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	9	20.	15.389	29.	6.	73.361	8.565	6.	6.25	21.	29.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	9	2.5	2.711	5.5	1.2	2.031	1.425	1.2	1.45	3.6	5.5
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	8	3.4	2.913	4.5	0.8	2.19	1.48	**	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	8	68.5	64.375	73.	48.	87.125	9.334	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	9	126.	96.	212.	17.	5095.75	71.385	17.	19.5	145.	212.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	9	3.	6.	28.	1.	71.5	8.456	1.	1.5	6.	28.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	9	12.	11.789	14.	8.1	3.601	1.898	8.1	10.5	13.5	14.
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	9	229.	188.111	368.	54.	14407.361	120.031	54.	59.5	287.5	368.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	9	8.29	8.734	19.2	1.93	38.645	6.217	1.93	2.99	13.77	19.2
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	9	0.31	0.254	0.5	0.07	0.027	0.164	0.07	0.08	0.39	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	10	23.	21.65	29.	13.5	33.169	5.759	13.55	15.5	27.	28.8
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	10	14.5	31.	122.	5.	1537.333	39.209	5.2	7.75	38.	118.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	11	195.	261.545	744.	97.	42118.673	205.228	97.6	105.	293.	706.4
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	11	6.5	6.573	7.9	6.2	0.224	0.473	6.2	6.3	6.6	7.68
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	11	6.5	6.447	7.9	6.2	0.242	0.492	6.2	6.3	6.6	7.68
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	11	0.316	0.357	0.631	0.013	0.035	0.187	0.042	0.251	0.501	0.631
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	11	13.	12.818	16.	10.	3.964	1.991	10.	11.	14.	15.8
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	11	16.	15.636	19.	12.	5.255	2.292	12.	14.	17.	18.8
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	11	31.	38.818	92.	20.	522.164	22.851	20.	21.	41.	88.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	11	19.	26.	82.	6.	583.4	24.154	6.	7.	31.	77.8
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	11	9.5	11.955	30.	5.	57.081	7.555	5.2	6.5	13.	28.4
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	11	1.8	2.182	4.2	1.2	1.09	1.044	1.2	1.5	2.5	4.18
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	7	1.9	2.571	4.8	1.3	1.599	1.265	**	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	5	64.	64.4	69.	61.	10.3	3.209	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	11	47.	66.818	220.	15.	4220.164	64.963	15.4	18.	76.	208.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	11	2.	2.636	6.	2.	1.455	1.206	2.	2.	3.	5.4
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	11	10.	11.164	20.	7.2	12.045	3.471	7.6	9.4	13.	18.8
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	10	106.5	138.3	379.	51.	11482.233	107.155	51.3	54.	179.75	368.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	9	2.19	16.194	90.6	1.68	852.441	29.197	1.68	1.84	21.7	90.6
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	11	0.14	0.183	0.52	0.07	0.02	0.14	0.07	0.07	0.2	0.49

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	10	21.75	19.85	28.5	10.	40.392	6.355	10.25	12.875	25.25	28.25
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	8	23.5	31.5	76.	9.	571.143	23.899	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	3	44.	105.333	260.	12.	18197.333	134.897	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	11	216.	208.909	300.	71.	5030.091	70.923	74.4	204.	259.	295.2
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	11	6.1	6.082	6.4	5.4	0.076	0.275	5.5	5.9	6.3	6.38
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	11	6.1	5.979	6.4	5.4	0.087	0.295	5.5	5.9	6.3	6.38
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	11	0.794	1.049	3.981	0.398	1.025	1.013	0.419	0.501	1.259	3.437
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	11	12.	10.818	15.	3.	13.964	3.737	3.6	8.	13.	15.
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	11	15.	13.273	18.	4.	20.218	4.496	4.6	10.	16.	18.
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	11	34.	34.182	44.	17.	72.364	8.507	18.	31.	42.	43.6
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	11	23.	23.364	38.	7.	75.055	8.663	7.8	21.	29.	36.4
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	11	10.	9.882	13.	4.5	6.254	2.501	4.84	10.	12.	12.8
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	11	2.2	2.318	4.1	1.	0.898	0.947	1.08	1.5	2.8	3.98
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	11	1.9	1.755	2.7	0.5	0.423	0.65	0.56	1.4	2.1	2.64
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	11	52.	51.273	76.	14.	415.018	20.372	14.2	47.	65.	75.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	11	3.	3.273	6.	2.	2.218	1.489	2.	2.	5.	5.8
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	11	0.	0.018	0.1	0.	0.001	0.034	0.	0.	0.05	0.09
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	11	11.	10.936	13.	7.7	2.681	1.637	8.08	10.	12.	13.
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	11	114.	108.909	151.	40.	1064.691	32.63	43.6	105.	131.	147.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	11	5.64	15.648	89.9	2.75	643.569	25.369	2.854	4.24	17.5	76.22
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	11	0.16	0.148	0.21	0.05	0.002	0.046	0.056	0.14	0.18	0.204

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	8	18.5	18.	25.	33.714	5.806	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	9	72.	118.667	325.	9098.5	95.386	52.	53.5	186.5	325.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	9	125.	119.444	185.	1391.778	37.307	72.	81.5	145.5	185.
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	9	6.1	6.133	6.5	0.08	0.283	5.8	5.85	6.45	6.5
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	9	6.1	6.057	6.5	0.086	0.294	5.8	5.85	6.45	6.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	9	0.794	0.876	1.585	0.316	0.261	0.511	0.316	1.422	1.585
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	9	10.	9.222	11.	7.	2.194	1.481	7.	10.	11.
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	9	12.	11.222	14.	8.	3.444	1.856	8.	9.5	12.
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	9	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	9	24.	22.778	31.	17.	19.694	4.438	17.	18.5	25.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	9	14.	13.556	21.	6.	17.778	4.216	6.	11.	15.5
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	9	6.2	6.444	9.5	4.	3.018	1.737	4.	5.35	7.65
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	9	1.4	1.622	3.4	0.6	0.719	0.848	0.6	1.05	2.1
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	1	6.	6.	6.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	9	1.1	1.056	1.6	0.3	0.198	0.445	0.3	0.65	1.45
00932	SODIUM, PERCENT	04/04/66-02/23/83	1	41.	41.	41.	41.	0.	0.	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	9	28.	25.	42.	13.	92.75	9.631	13.	15.5	31.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	9	3.	3.444	6.	1.	3.528	1.878	1.	1.5	5.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	9	12.	11.2	15.	7.6	5.68	2.383	7.6	9.1	13.
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	9	62.	65.556	94.	45.	239.028	15.461	45.	54.	77.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	9	11.5	21.371	54.4	7.73	294.607	17.164	7.73	8.23	36.6
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	9	0.08	0.089	0.13	0.06	0.001	0.023	0.06	0.07	0.105

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Annual Analysis for 1974 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	9	21.	20.889	29.5	40.736	6.382	10.	16.	26.75	29.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	9	140.	627.333	2350.	685192.25	827.763	17.	46.	1255.	2350.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	9	107.	142.222	380.	9019.694	94.972	71.	85.	159.5	380.
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	9	6.1	6.056	6.4	5.5	0.123	0.35	5.5	5.75	6.4
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	9	6.1	5.926	6.4	5.5	0.142	0.377	5.5	5.75	6.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	9	0.794	1.187	3.162	0.398	1.02	1.01	0.398	1.885	3.162
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	9	7.	7.222	11.	4.	5.694	2.386	4.	5.	11.
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	9	8.	8.556	13.	5.	8.028	2.833	5.	6.	11.5
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	9	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	9	20.	21.667	48.	11.	121.75	11.034	11.	14.5	24.5
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	9	12.	14.889	43.	5.	127.361	11.285	5.	8.5	16.5
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	9	6.	6.6	15.	3.7	11.315	3.364	3.7	4.45	6.95
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	9	1.	1.3	2.6	0.5	0.54	0.735	0.5	0.7	1.95
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	9	11.	16.789	53.	6.3	212.641	14.582	6.3	7.9	20.5
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	9	1.2	1.433	3.3	0.8	0.638	0.798	0.8	0.85	1.8
00932	SODIUM, PERCENT	04/04/66-02/23/83	9	57.	57.	70.	48.	55.25	7.433	48.	50.5	63.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	9	1.3	1.444	2.9	0.9	0.375	0.613	0.9	1.05	1.65
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	9	25.	33.889	110.	12.	901.111	30.019	12.	15.5	37.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	9	4.	4.111	9.	2.	4.111	2.028	2.	3.	4.5
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	9	11.	9.722	15.	4.2	13.129	3.623	4.2	6.2	12.5
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	9	60.	78.222	199.	39.	2431.944	49.315	39.	47.5	91.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	9	31.8	88.228	330.	2.75	12848.293	113.35	2.75	16.6	162.5
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	9	0.08	0.104	0.27	0.05	0.005	0.067	0.05	0.065	0.12

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	8	23.25	19.813	25.	11.5	36.353	6.029	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	8	147.5	298.5	986.	75.	108192.286	328.926	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	8	86.	101.875	200.	55.	2265.554	47.598	**	**	**	**
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	8	5.9	5.788	6.1	5.3	0.096	0.309	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	8	5.9	5.687	6.1	5.3	0.107	0.327	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	8	1.259	2.055	5.012	0.794	2.393	1.547	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	8	7.5	8.125	10.	6.	2.696	1.642	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	8	9.5	9.875	12.	7.	3.839	1.959	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	8	16.5	17.	24.	11.	17.714	4.209	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	8	6.5	8.75	14.	6.	13.357	3.655	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	8	4.7	5.113	8.	3.6	1.91	1.382	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	8	1.	1.013	1.7	0.6	0.11	0.331	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	8	8.5	10.688	24.	5.3	39.541	6.288	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	8	0.9	1.075	2.1	0.6	0.242	0.492	**	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	8	51.	53.	67.	43.	60.286	7.764	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	8	1.1	1.088	1.3	0.9	0.018	0.136	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	8	16.	20.875	49.	9.	181.839	13.485	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	8	4.	3.75	5.	2.	1.071	1.035	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	8##	0.05	0.081	0.2	0.05	0.003	0.053	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	8	12.	10.55	14.	6.5	8.754	2.959	**	**	**	**
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	8	52.5	58.	103.	34.	517.143	22.741	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	8	27.	35.213	90.5	10.3	729.05	27.001	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	8	0.07	0.079	0.14	0.05	0.001	0.03	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	6	16.75	17.667	25.5	11.	38.467	6.202	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	6	60.	95.	300.	19.	10550.4	102.715	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	6	108.5	126.5	222.	86.	2530.3	50.302	**	**	**	**
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	6	6.5	6.433	6.9	5.7	0.175	0.418	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	6	6.489	6.238	6.9	5.7	0.221	0.47	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	6	0.325	0.579	1.995	0.126	0.5	0.707	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	6	10.	9.667	13.	5.	7.067	2.658	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	6	12.	11.833	16.	6.	11.367	3.371	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	6	18.	20.167	30.	16.	27.767	5.269	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	6	9.	10.333	20.	6.	27.867	5.279	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	6	5.25	6.017	9.4	4.7	3.15	1.775	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	6	1.3	1.2	1.5	0.8	0.064	0.253	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	6	11.4	13.533	27.	7.2	51.323	7.164	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	6	1.25	1.3	2.2	0.7	0.264	0.514	**	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	6	57.	56.	65.	44.	52.	7.211	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	6	1.05	1.117	1.5	0.8	0.078	0.279	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	5	18.	26.6	56.	13.	311.8	17.658	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	5	3.	3.2	4.	2.	0.7	0.837	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	5	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	5	12.	12.2	14.	11.	1.7	1.304	**	**	**	**
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	5	56.	70.8	117.	50.	765.7	27.671	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	5	9.07	9.236	12.6	6.	10.09	3.176	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	5	0.08	0.096	0.16	0.07	0.001	0.038	**	**	**	**

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Annual Analysis for 1977 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	25.	22.429	27.5	14.5	27.952	5.287	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	7	34.	62.571	230.	16.	5691.952	75.445	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	7	175.	168.571	234.	89.	2970.619	54.503	**	**	**	**
00400p	PH (STANDARD UNITS)	7	6.4	6.329	6.6	5.8	0.062	0.25	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	7	6.4	6.251	6.6	5.8	0.069	0.264	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	7	0.398	0.561	1.585	0.251	0.209	0.457	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	7	11.	11.	13.	7.	3.667	1.915	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	7	14.	13.571	16.	8.	6.952	2.637	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	7	26.	26.	33.	17.	28.667	5.354	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	7	14.	15.143	22.	10.	18.143	4.259	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	7	7.5	7.657	9.9	4.9	3.25	1.803	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	7	1.7	1.7	2.	1.2	0.06	0.245	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	7	20.	19.329	29.	8.3	57.456	7.58	**	**	**	**
00931	SODIUM ADSORPTION RATIO	7	1.7	1.6	2.2	0.9	0.247	0.497	**	**	**	**
00932	SODIUM, PERCENT	7	61.	58.714	65.	48.	44.905	6.701	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	7	1.3	1.286	1.7	0.9	0.088	0.297	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	7	42.	40.429	60.	18.	254.952	15.967	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	7	4.	4.429	8.	2.	4.286	2.07	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	7 ##	0.05	0.071	0.1	0.05	0.001	0.027	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	7	12.	12.857	17.	10.	7.143	2.673	**	**	**	**
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	7	98.	94.429	124.	55.	654.286	25.579	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	7	11.4	12.554	34.2	4.23	98.804	9.94	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	7	0.13	0.126	0.17	0.07	0.001	0.036	**	**	**	**

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Annual Analysis for 1978 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	6	20.25	18.833	29.	8.	68.467	8.274	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	6	34.	85.5	353.	13.	17530.3	132.402	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	121.	125.5	168.	86.	1246.7	35.309	**	**	**	**
00400p	PH (STANDARD UNITS)	6	6.5	6.4	6.7	5.8	0.104	0.322	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	6	6.5	6.277	6.7	5.8	0.122	0.349	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	6	0.316	0.528	1.585	0.2	0.278	0.528	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	6	11.5	12.833	26.	5.	49.367	7.026	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	6	14.5	15.833	32.	6.	75.367	8.681	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	6	23.5	23.5	32.	17.	33.9	5.822	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	6	10.	10.5	15.	6.	13.5	3.674	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	6	6.75	7.05	11.	4.7	5.491	2.343	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	6	1.45	1.45	1.8	1.1	0.059	0.243	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	6	12.2	12.85	19.	7.7	26.183	5.117	**	**	**	**
00931	SODIUM ADSORPTION RATIO	6	1.2	1.15	1.6	0.6	0.167	0.409	**	**	**	**
00932	SODIUM, PERCENT	6	55.5	51.833	59.	33.	103.367	10.167	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	6	1.1	1.083	1.3	0.8	0.03	0.172	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	6	24.5	25.5	38.	13.	116.3	10.784	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	6	4.	4.333	7.	2.	3.467	1.862	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	6 ##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	6	12.5	12.017	16.	8.9	7.09	2.663	**	**	**	**
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	6	73.	72.333	89.	52.	275.067	16.585	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	6	7.01	13.348	49.6	2.91	323.418	17.984	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	6	0.1	0.098	0.12	0.07	0.	0.021	**	**	**	**

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Annual Analysis for 1979 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	6	14.5	15.417	28.5	7.	65.942	8.12	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	6	88.	140.	360.	61.	13120.	114.543	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	6	105.5	124.833	189.	81.	2174.567	46.632	**	**	**
00400p	PH (STANDARD UNITS)	02/20/64-10/24/79	5	6.1	6.18	6.7	5.7	0.147	0.383	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	5	6.1	6.057	6.7	5.7	0.166	0.407	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	5	0.794	0.877	1.995	0.2	0.49	0.7	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	6	8.	8.167	10.	7.	1.367	1.169	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	6	10.	10.	12.	8.	2.	1.414	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	6	0.	0.	0.	0.	0.	0.	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	6	18.	20.	25.	16.	15.6	3.95	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	6	10.	11.833	16.	9.	10.567	3.251	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	6	4.95	5.65	7.4	4.6	1.663	1.29	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	6	1.4	1.4	1.7	1.	0.06	0.245	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	6	10.4	13.783	28.	7.1	63.482	7.968	**	**	**
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	6	1.05	1.317	2.5	0.8	0.422	0.649	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	6	53.5	56.833	76.	48.	109.767	10.477	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	6	1.	1.033	1.4	0.7	0.059	0.242	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	6	23.	27.5	52.	13.	229.5	15.149	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	6	5.5	5.333	10.	2.	7.867	2.805	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	6	0.075	0.067	0.1	0.	0.002	0.041	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	6	12.	11.95	15.	8.7	4.375	2.092	**	**	**
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	6	61.5	71.5	111.	49.	616.7	24.833	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	6	19.6	23.167	47.6	12.6	166.175	12.891	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	6	0.085	0.098	0.15	0.07	0.001	0.034	**	**	**

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Annual Analysis for 1980 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	9	19.	19.833	28.5	12.	39.75	6.305	12.	14.25	26.75
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	9	32.	70.889	182.	13.	3586.111	59.884	13.	28.5	119.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	9	121.	128.667	184.	72.	1556.	39.446	72.	96.5	168.5
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	9	11.	10.333	14.	8.	4.25	2.062	8.	8.	11.5
00440p	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	7	12.	12.571	17.	10.	7.952	2.82	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	7	0.	0.	0.	0.	0.	0.	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	9	20.	21.556	29.	17.	16.278	4.035	17.	18.5	25.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	9	11.	10.778	16.	5.	11.944	3.456	5.	8.	13.5
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	9	6.	6.	7.4	4.8	1.	1.	4.8	5.1	7.1
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	9	1.4	1.611	2.7	1.2	0.211	0.459	1.2	1.3	1.75
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	9	14.	15.489	22.	7.2	32.041	5.66	7.2	10.6	21.5
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	9	1.4	1.433	1.9	0.7	0.18	0.424	0.7	1.1	1.85
00932	SODIUM, PERCENT	04/04/66-02/23/83	9	59.	58.111	64.	45.	40.361	6.353	45.	54.	64.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	9	1.	1.067	1.5	0.8	0.048	0.218	0.8	0.9	1.2
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	9	25.	29.667	45.	13.	143.75	11.99	13.	19.5	43.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	9	2.	3.311	11.	0.2	11.091	3.33	0.2	1.3	4.5
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	9	0.	0.044	0.1	0.	0.003	0.053	0.	0.	0.1
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	9	12.	13.111	18.	10.	5.861	2.421	10.	11.5	14.5
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	9	72.	76.111	102.	48.	403.861	20.096	48.	58.	97.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	9	8.02	12.21	23.6	2.39	52.886	7.272	2.39	7.35	19.4
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	9	0.1	0.103	0.14	0.07	0.001	0.026	0.07	0.08	0.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	6	22.5	20.667	28.5	9.5	49.467	7.033	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	6	59.5	383.5	2000.	34.	627529.9	792.168	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	142.	142.5	204.	88.	2182.7	46.719	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	6	9.5	9.333	13.	5.	9.067	3.011	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	6	22.	22.333	27.	16.	15.467	3.933	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	6	12.	13.	20.	8.	19.2	4.382	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	6	6.4	6.433	7.8	4.6	1.223	1.106	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	6	1.5	1.517	1.8	1.1	0.07	0.264	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	6	17.5	17.65	27.	9.9	49.375	7.027	**	**	**	**
00931	SODIUM ADSORPTION RATIO	6	1.7	1.65	2.3	1.	0.271	0.521	**	**	**	**
00932	SODIUM, PERCENT	6	61.5	60.167	68.	49.	50.167	7.083	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	6	1.15	1.267	1.6	1.1	0.051	0.225	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	6	32.	33.333	54.	17.	194.267	13.938	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	6	3.5	3.5	5.	2.	1.643	1.643	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	6	0.05	0.05	0.1	0.	0.003	0.055	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	6	11.	11.017	15.	5.1	10.962	3.311	**	**	**	**
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	6	80.5	80.333	109.	51.	450.267	21.219	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	6	16.55	57.462	275.	7.71	11380.516	106.68	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	6	0.105	0.108	0.15	0.07	0.001	0.029	**	**	**	**

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Annual Analysis for 1982 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	18.5	19.8	28.5	10.	48.233	6.945	10.2	14.25	28.	28.45
00061	FLOW, STREAM, INSTANTANEOUS CFS	10	49.	63.2	178.	13.	2723.289	52.185	13.4	23.	94.	172.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10	108.5	120.4	271.	75.	3290.489	57.363	75.5	80.75	132.5	257.3
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	10	11.	10.7	15.	7.	4.233	2.058	7.2	9.75	11.25	14.7
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	10	19.5	20.7	33.	17.	22.233	4.715	17.	17.75	22.	31.9
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10	9.	9.9	23.	5.	26.322	5.131	5.1	6.75	11.25	21.9
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	10	5.35	5.87	9.7	4.8	2.102	1.45	4.8	5.025	6.175	9.37
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	10	1.4	1.47	2.2	1.2	0.08	0.283	1.21	1.3	1.525	2.14
00930	SODIUM, DISSOLVED (MG/L AS Na)	10	13.	14.46	36.	7.7	67.047	8.188	7.74	8.625	16.	34.
00931	SODIUM ADSORPTION RATIO	10	1.45	1.45	2.9	0.9	0.336	0.58	0.9	0.975	1.6	2.77
00932	SODIUM, PERCENT	10	58.	56.4	69.	47.	47.822	6.915	47.1	48.75	60.25	68.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10	1.15	1.16	1.3	1.	0.009	0.097	1.01	1.1	1.225	1.3
00940p	CHLORIDE, TOTAL IN WATER MG/L	10	24.	28.1	75.	14.	307.656	17.54	14.1	18.	31.	70.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	10	5.5	5.7	8.	4.	1.789	1.337	4.	4.75	7.	7.9
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10	##	0.05	0.05	0.1	0.001	0.024	0.005	0.05	0.05	0.095
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10	12.5	12.7	16.	10.	2.9	1.703	10.1	11.75	14.	15.8
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10	68.5	75.6	144.	55.	677.822	26.035	55.2	57.75	81.25	137.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	8	13.75	14.049	26.3	5.47	54.225	7.364	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10	0.09	0.103	0.2	0.07	0.001	0.037	0.071	0.08	0.11	0.191

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Annual Analysis for 1983 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10	19.75	19.4	26.	11.	27.267	5.222	11.4	15.	24.75	25.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	10	90.	195.	516.	36.	36941.556	192.202	36.3	42.75	376.25	514.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10	78.	78.7	108.	49.	464.011	21.541	49.1	59.	102.25	107.5
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	10	8.5	8.	13.	2.	12.667	3.559	2.1	5.25	11.	12.8
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	2	16.5	16.5	18.	15.	4.5	2.121	**	**	**	**

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Annual Analysis for 1983 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	10	4.75	4.68	5.8	3.4	0.655	0.809	3.41	4.025	5.425	5.77
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	10	1.3	1.21	1.4	0.9	0.032	0.179	0.91	1.	1.325	1.4
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	10	8.7	8.72	13.	4.9	8.693	2.948	4.92	5.925	12.	12.9
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	2	0.95	0.95	1.1	0.8	0.045	0.212	**	**	**	**
00932	SODIUM, PERCENT	04/04/66-02/23/83	2	49.5	49.5	53.	46.	24.5	4.95	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	10	1.05	1.05	1.3	0.9	0.023	0.151	0.9	0.9	1.2	1.29
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	10	15.5	15.7	24.	9.	26.9	5.187	9.1	11.5	19.25	23.9
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	10	10.	8.3	11.	3.	6.9	2.627	3.3	6.	10.	10.9
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	10	12.	11.04	14.	6.5	6.885	2.624	6.62	8.075	13.	13.9
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	2	52.5	52.5	59.	46.	84.5	9.192	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	2	0.07	0.07	0.08	0.06	0.	0.014	**	**	**	**

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Annual Analysis for 1984 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	4	15.75	15.25	21.5	8.	35.75	5.979	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	7	61.	144.143	436.	11.	30041.81	173.326	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	7	77.	75.	89.	61.	127.	11.269	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	7	11.	10.286	13.	7.	4.238	2.059	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/20/64-08/13/92	7	4.7	4.686	5.5	3.5	0.398	0.631	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	7	1.2	1.243	1.4	1.1	0.01	0.098	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/20/64-08/13/92	7	8.5	7.971	10.	5.7	2.952	1.718	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	7	1.1	1.114	1.4	0.9	0.038	0.195	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	7	14.	13.714	18.	10.	8.905	2.984	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	7	7.	7.429	11.	4.	5.619	2.37	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	7 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	7	11.	11.514	14.	8.6	4.651	2.157	**	**	**	**

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Annual Analysis for 1985 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	7	16.5	17.857	28.	9.5	41.81	6.466	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	9	61.	131.333	588.	12.	33527.25	183.104	12.	15.	172.5	588.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	9	76.	72.778	94.	44.	185.444	13.618	44.	66.	78.	94.
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	9	10.	9.333	12.	5.	6.	2.449	5.	7.	11.5	12.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/20/64-08/13/92	9	4.8	4.711	5.5	3.2	0.479	0.692	3.2	4.4	5.2	5.5
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	9	1.2	1.2	1.4	0.9	0.025	0.158	0.9	1.1	1.35	1.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/20/64-08/13/92	9	7.9	7.9	11.	4.2	3.597	1.897	4.2	7.	9.05	11.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	9	1.2	1.378	3.1	0.8	0.467	0.683	0.8	1.	1.45	3.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	9	15.	13.778	19.	7.	11.694	3.42	7.	11.5	15.5	19.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	9	6.	6.778	10.	5.	2.694	1.641	5.	5.5	8.	10.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	9	13.	12.489	15.	7.4	5.501	2.345	7.4	11.5	14.5	15.

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Annual Analysis for 1986 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	7	21.	21.	27.	11.	35.583	5.965	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	7	44.	52.	77.	25.	372.	19.287	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	7	85.	91.	136.	68.	483.667	21.992	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	7	10.	10.286	13.	8.	2.571	1.604	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/20/64-08/13/92	7	4.9	5.329	6.8	4.8	0.539	0.734	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	7	1.3	1.329	1.5	1.2	0.009	0.095	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/20/64-08/13/92	7	9.1	10.071	16.	6.8	8.452	2.907	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	7	1.1	1.086	1.3	0.8	0.025	0.157	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	7	15.	17.	30.	10.	44.333	6.658	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	7	6.	8.429	13.	5.	11.619	3.409	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	7 ##	0.05	0.071	0.2	0.05	0.003	0.057	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	7	13.	12.571	15.	10.	2.952	1.718	**	**	**	**

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Annual Analysis for 1987 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	8	20.5	20.188	27.	11.	34.424	5.867	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	8	58.	196.875	879.	17.	93421.839	305.65	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	8	84.	84.875	116.	49.	437.839	20.925	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	8	9.5	8.875	11.	5.	5.268	2.295	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/20/64-08/13/92	8	4.95	4.788	5.8	3.4	0.584	0.764	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	8	1.3	1.238	1.4	0.8	0.04	0.2	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/20/64-08/13/92	8	9.2	9.488	14.	4.8	8.23	2.869	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	8	1.05	1.138	1.7	0.7	0.151	0.389	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	8	15.	16.25	26.	9.	30.5	5.523	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	8	7.5	7.125	9.	4.	2.982	1.727	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	8	0.1	0.094	0.2	0.05	0.002	0.05	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	8	11.5	11.288	14.	6.4	6.844	2.616	**	**	**	**

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Annual Analysis for 1988 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	7	19.	21.	29.	15.	25.75	5.074	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	7	45.	41.286	74.	16.	547.238	23.393	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	7	90.	99.286	128.	78.	419.905	20.492	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	7	10.	9.429	11.	7.	2.952	1.718	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	7	5.	5.114	6.1	4.3	0.425	0.652	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	7	1.3	1.3	1.4	1.1	0.013	0.115	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	7	10.	11.457	15.	8.5	6.906	2.628	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	7	1.	1.	1.2	0.8	0.017	0.129	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	7	18.	20.286	29.	14.	34.571	5.88	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	7	5.	6.571	11.	4.	8.952	2.992	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	7	0.1	0.107	0.2	0.05	0.002	0.045	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	7	13.	12.429	15.	10.	3.286	1.813	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7	18.	17.357	26.	6.	48.56	6.968	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	7	48.	50.857	73.	29.	381.81	19.54	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	7	107.	107.571	135.	81.	379.952	19.492	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	7	11.	11.429	16.	8.	6.286	2.507	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	7	5.8	5.971	7.5	5.	0.709	0.842	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	7	1.4	1.471	1.7	1.3	0.019	0.138	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	7	13.	12.8	17.	9.6	6.547	2.559	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	7	1.	1.071	1.4	0.8	0.046	0.214	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	7	21.	21.857	29.	17.	19.476	4.413	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	7	4.	6.714	13.	3.	20.238	4.499	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	7	0.1	0.093	0.1	0.05	0.	0.019	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	7	13.	13.714	16.	12.	1.905	1.38	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	5	26.5	22.9	28.	14.	42.05	6.485	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	5	86.	158.4	525.	17.	44566.8	211.109	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	5	103.	97.2	125.	56.	777.7	27.887	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	5	11.	11.2	14.	8.	5.7	2.387	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	5	6.	5.64	6.5	3.8	1.173	1.083	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	5	1.2	1.2	1.3	1.	0.015	0.122	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	5	11.	11.2	17.	5.5	20.325	4.508	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	5	1.	1.04	1.3	0.8	0.033	0.182	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	5	21.	22.2	33.	10.	82.7	9.094	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	5	3.	2.8	5.	1.	3.2	1.789	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	5	14.	13.64	17.	9.2	9.848	3.138	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	6	26.25	24.	28.5	16.5	25.4	5.04	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	6	89.5	86.833	159.	30.	2626.967	51.254	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	6	98.5	99.	116.	84.	188.	13.711	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	6	11.	11.5	15.	10.	3.5	1.871	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	6	5.45	5.45	5.7	5.1	0.043	0.207	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	6	1.4	1.317	1.5	0.9	0.046	0.214	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	6	11.5	11.5	14.	9.	5.1	2.258	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	6	0.9	0.9	1.	0.8	0.008	0.089	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	6	21.5	22.	29.	16.	24.4	4.94	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	6	2.5	2.5	3.	2.	0.3	0.548	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	6 ##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	6	13.	12.833	14.	12.	0.567	0.753	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

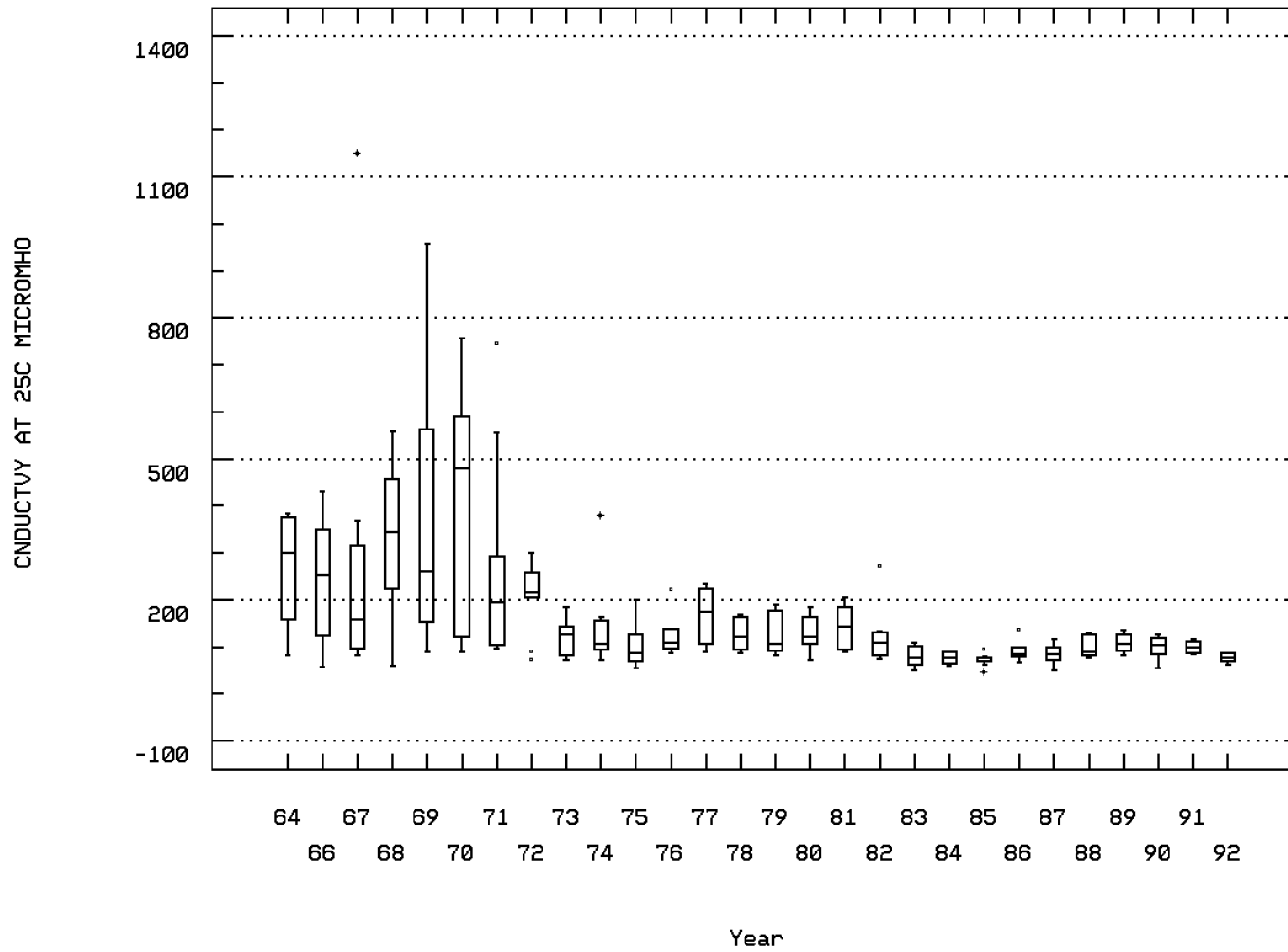
Annual Analysis for 1992 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	6	19.25	18.833	26.	8.	47.667	6.904	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	6	99.5	138.833	251.	60.	7797.367	88.303	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	6	76.	76.	87.	62.	103.2	10.159	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	6	10.	9.167	11.	7.	2.967	1.722	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	6	4.6	4.567	5.2	3.9	0.295	0.543	**	**	**	**
00925p	MAGNESIUM, DISSOLVED (MG/L AS Mg)	02/20/64-08/13/92	6	1.15	1.133	1.3	1.	0.015	0.121	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	6	8.55	8.567	10.	6.9	1.875	1.369	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	6	0.7	0.767	1.	0.7	0.015	0.121	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	6	16.	16.167	19.	14.	4.167	2.041	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	6	2.5	2.833	4.	2.	0.967	0.983	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	6 ##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	6	11.	11.317	13.	9.9	2.322	1.524	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: BITH0036 Parameter Code: 00095

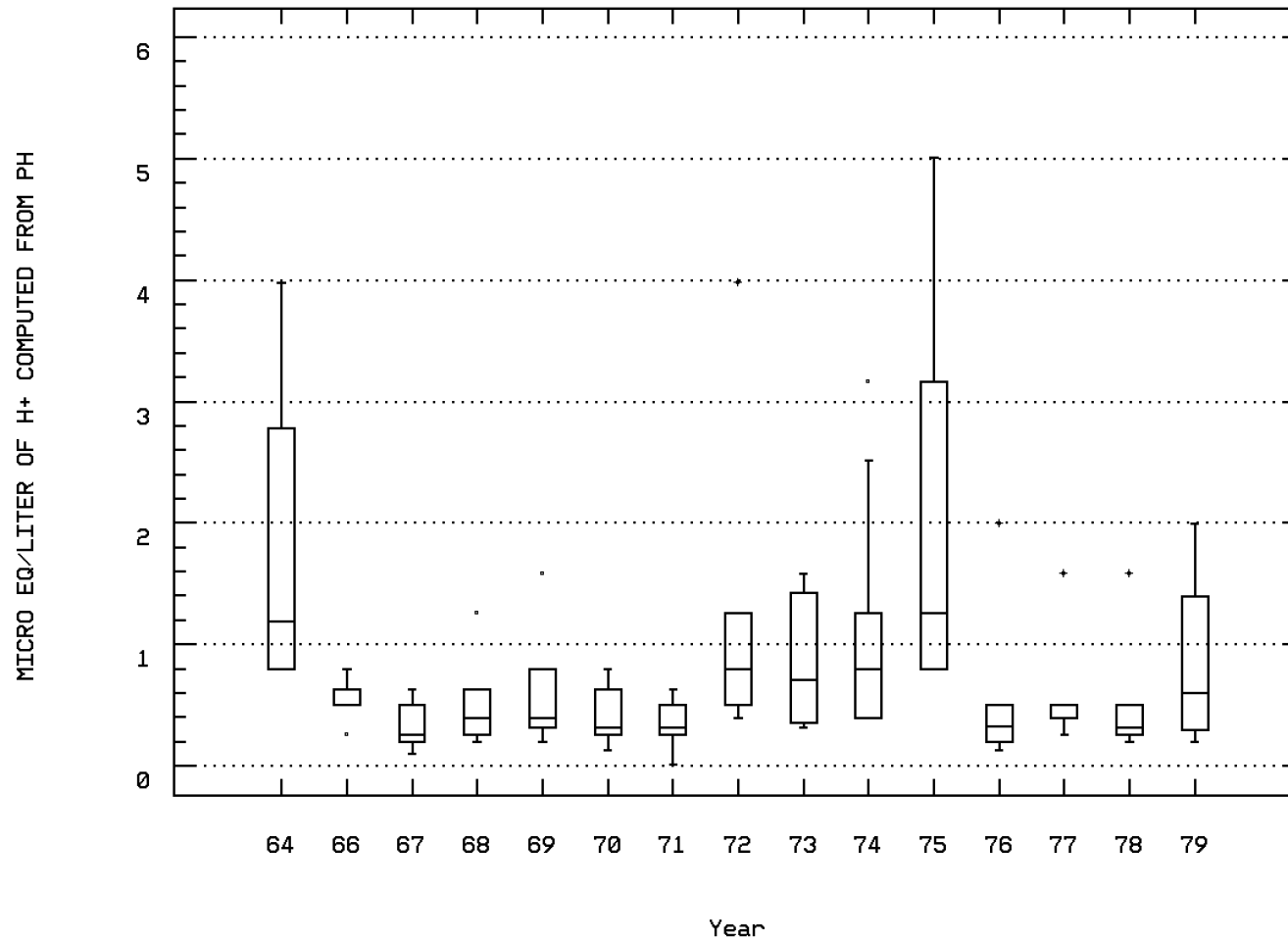
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00400

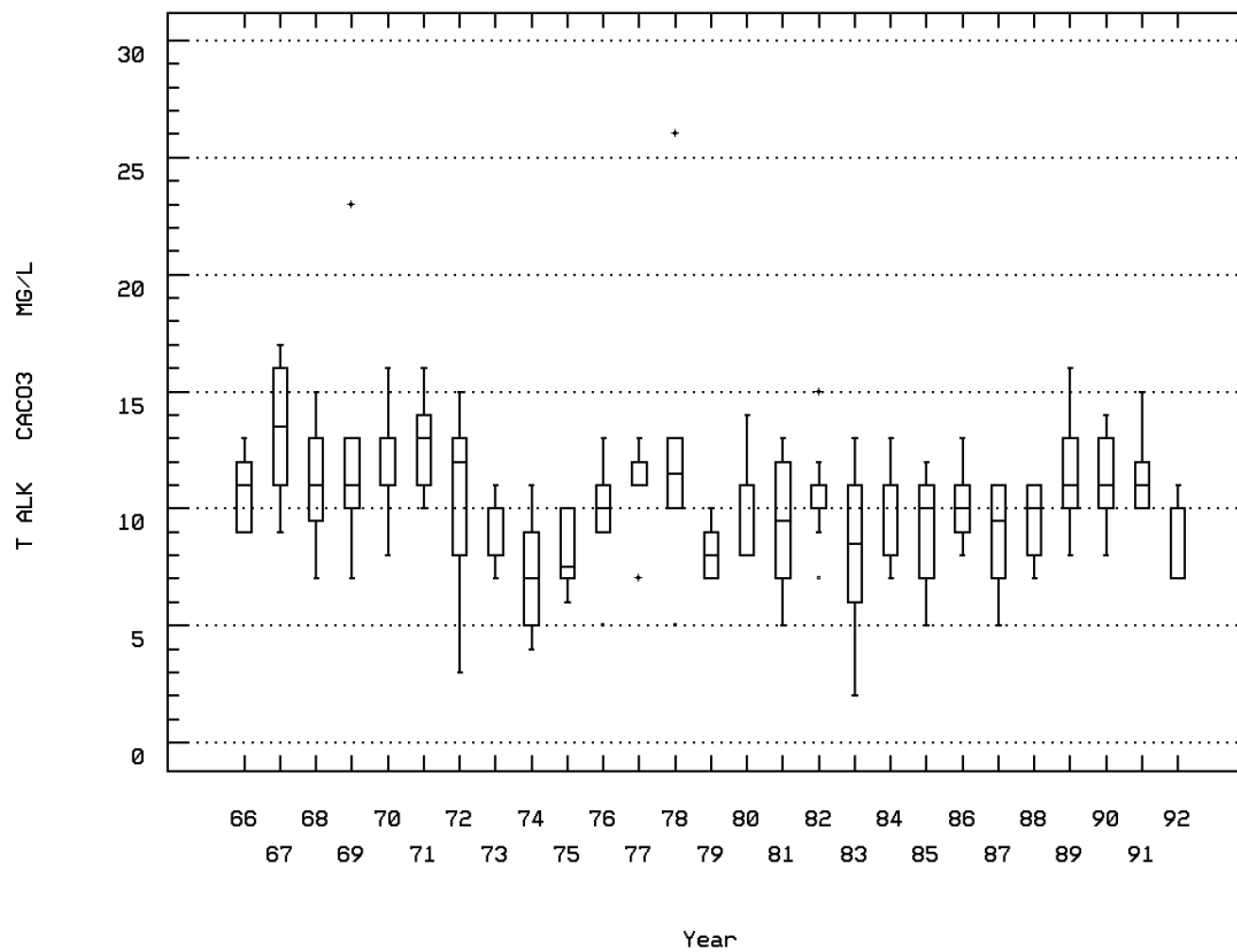
MICRO EQ/LITER OF H+ COMPUTED FROM PH



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00410

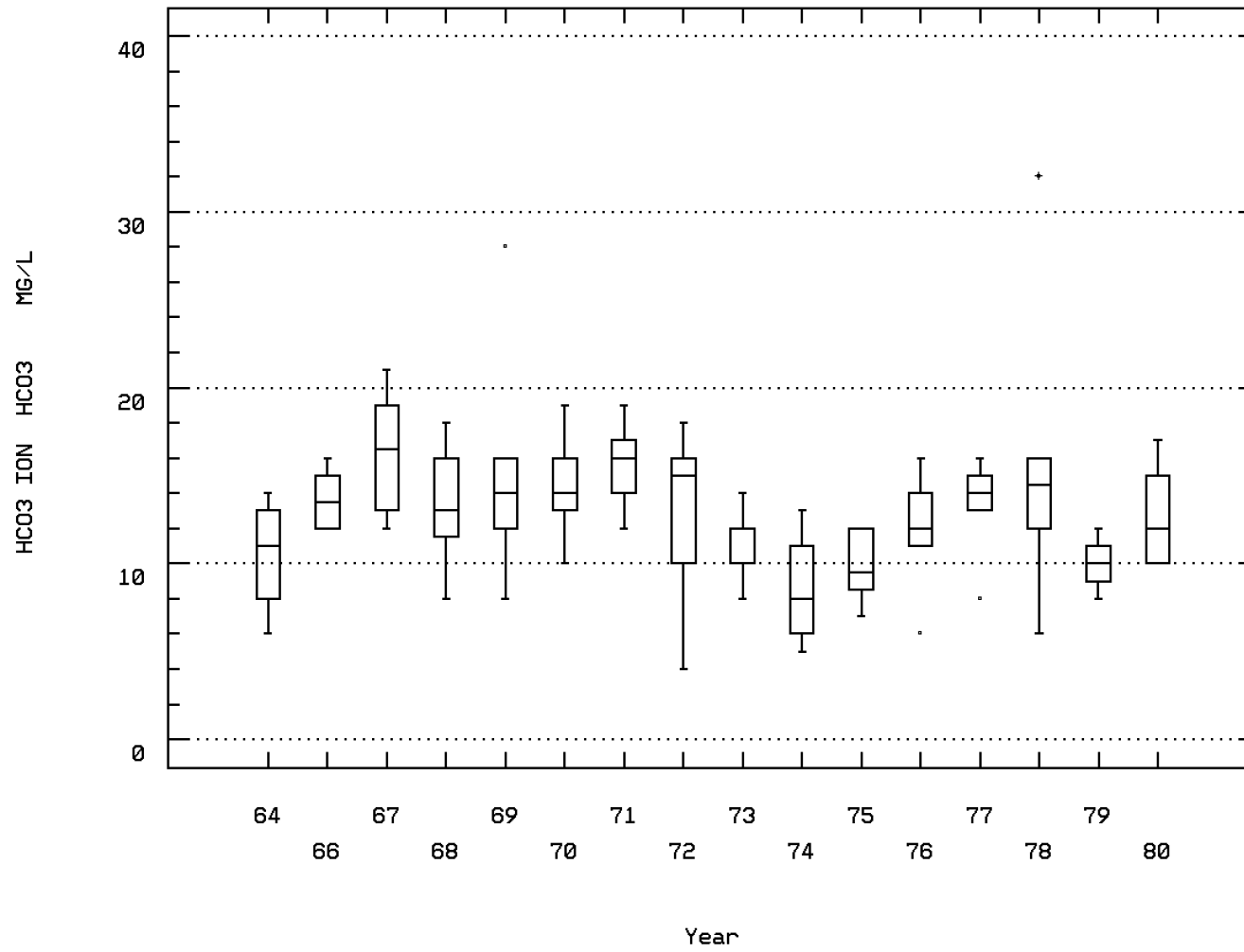
ALKALINITY, TOTAL (MG/L AS CaCO3)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00440

BICARBONATE ION (MG/L AS HCO3)

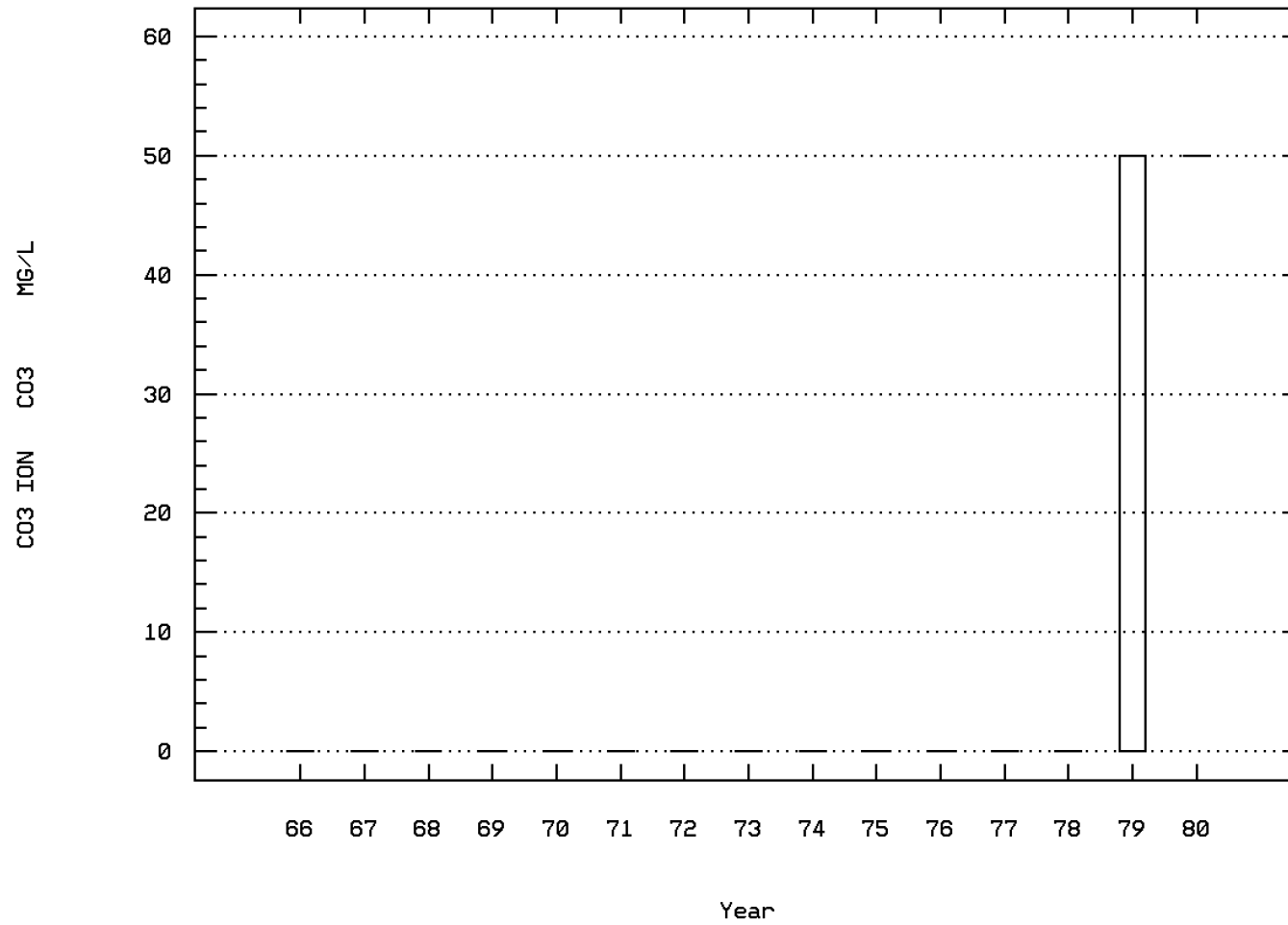


MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00445

CARBONATE ION (MG/L AS CO₃)

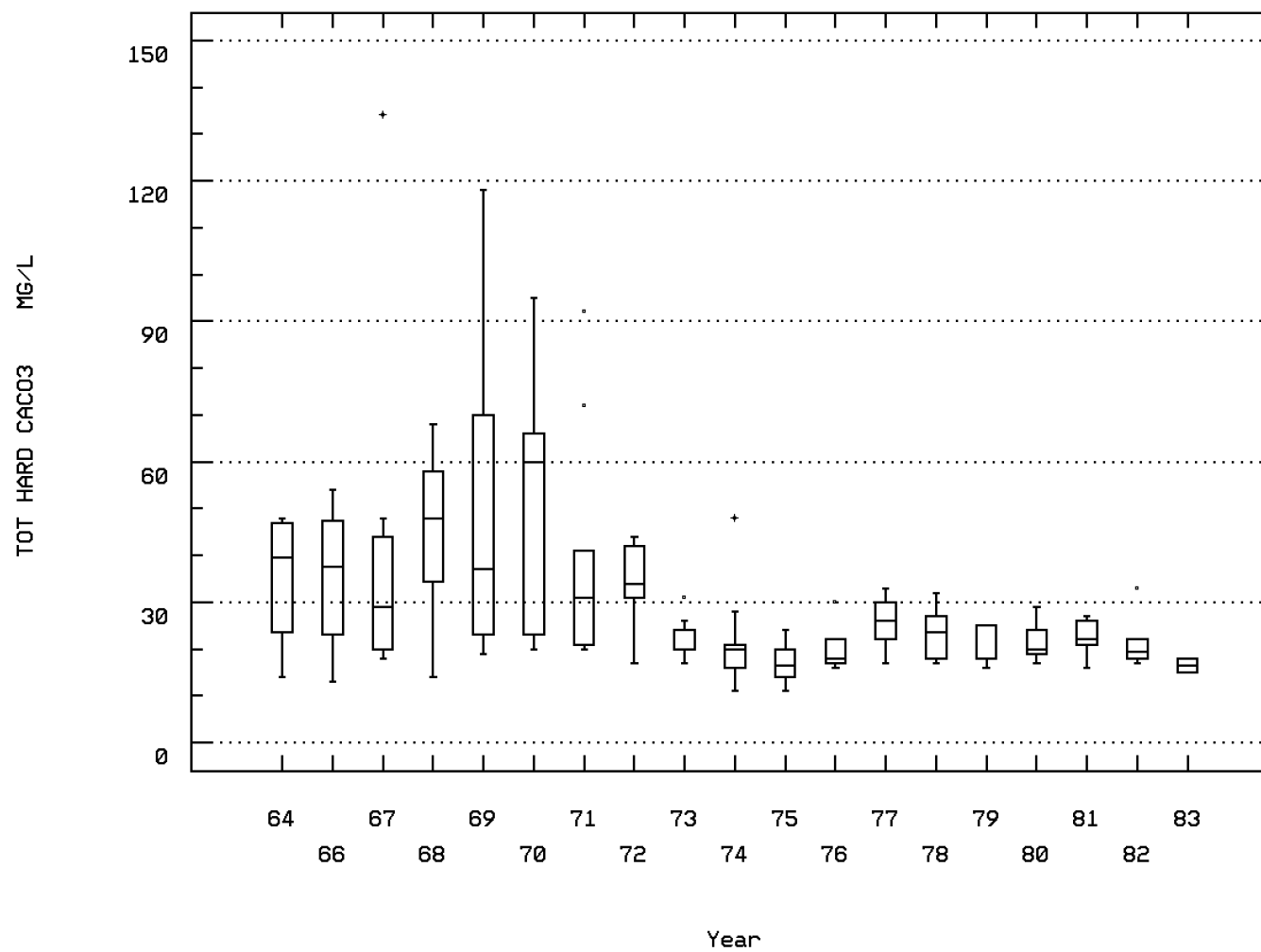
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MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00900

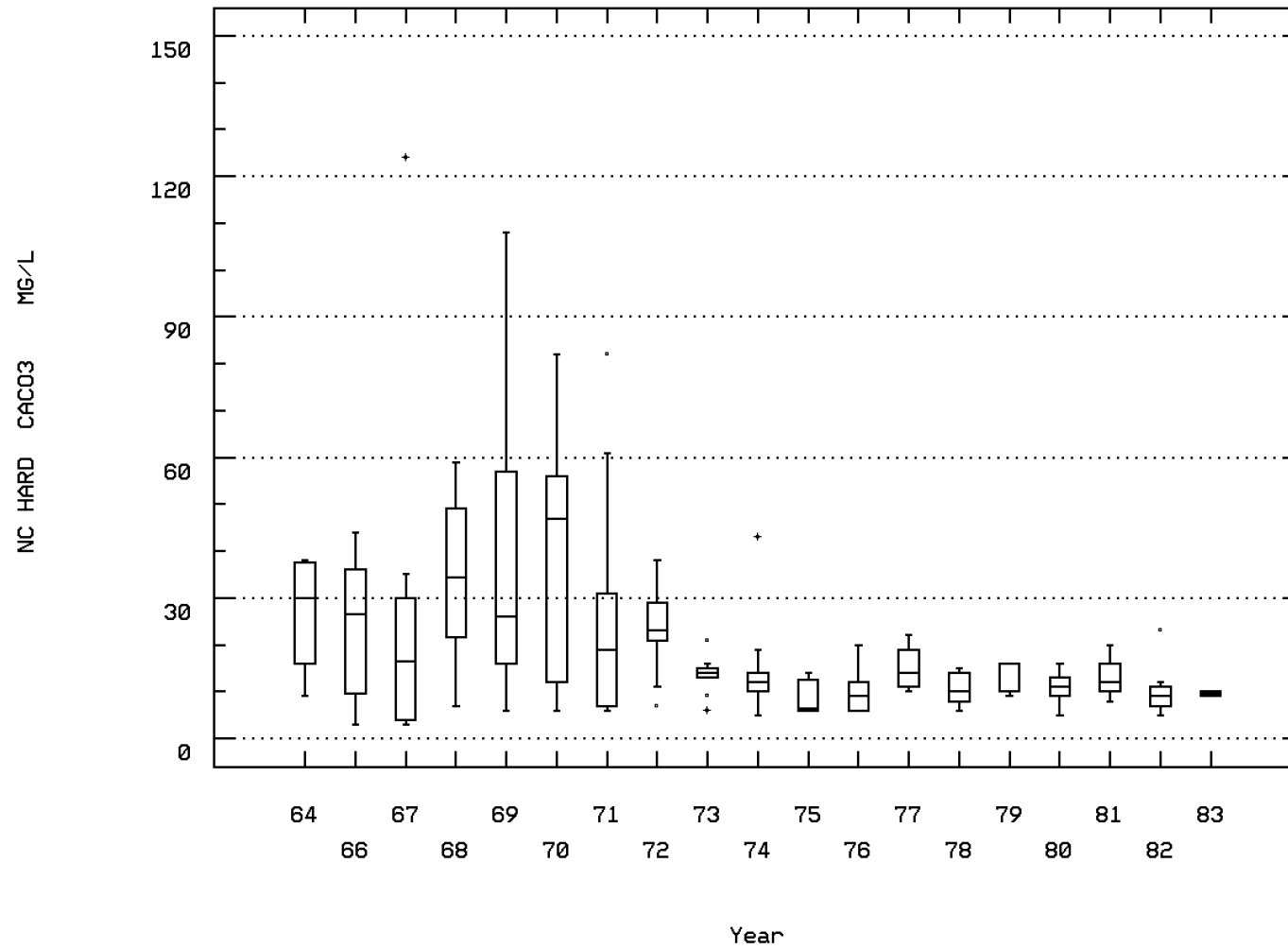
HARDNESS, TOTAL (MG/L AS CaCO3)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00902

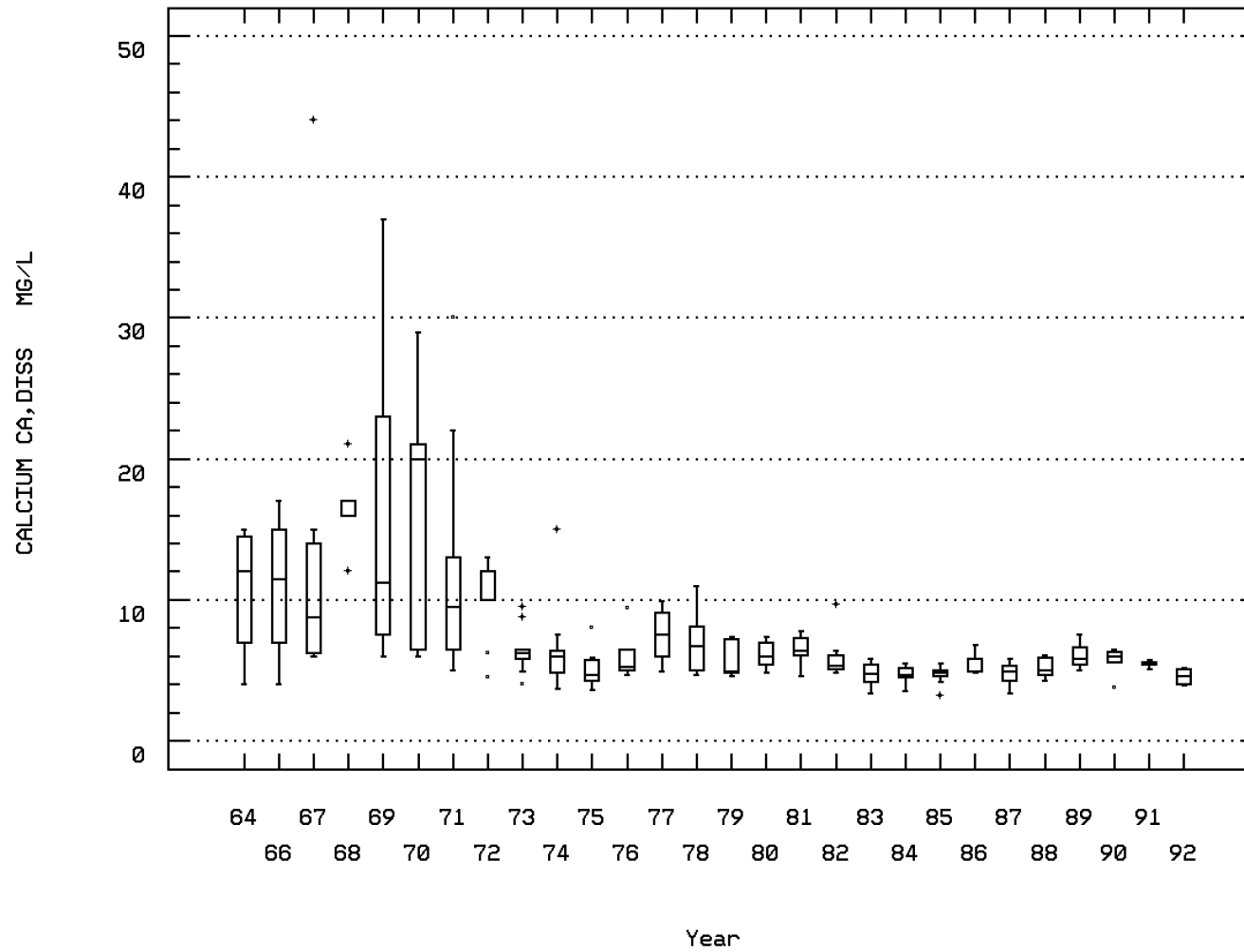
HARDNESS, NON-CARBONATE (MG/L AS CaCO3)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00915

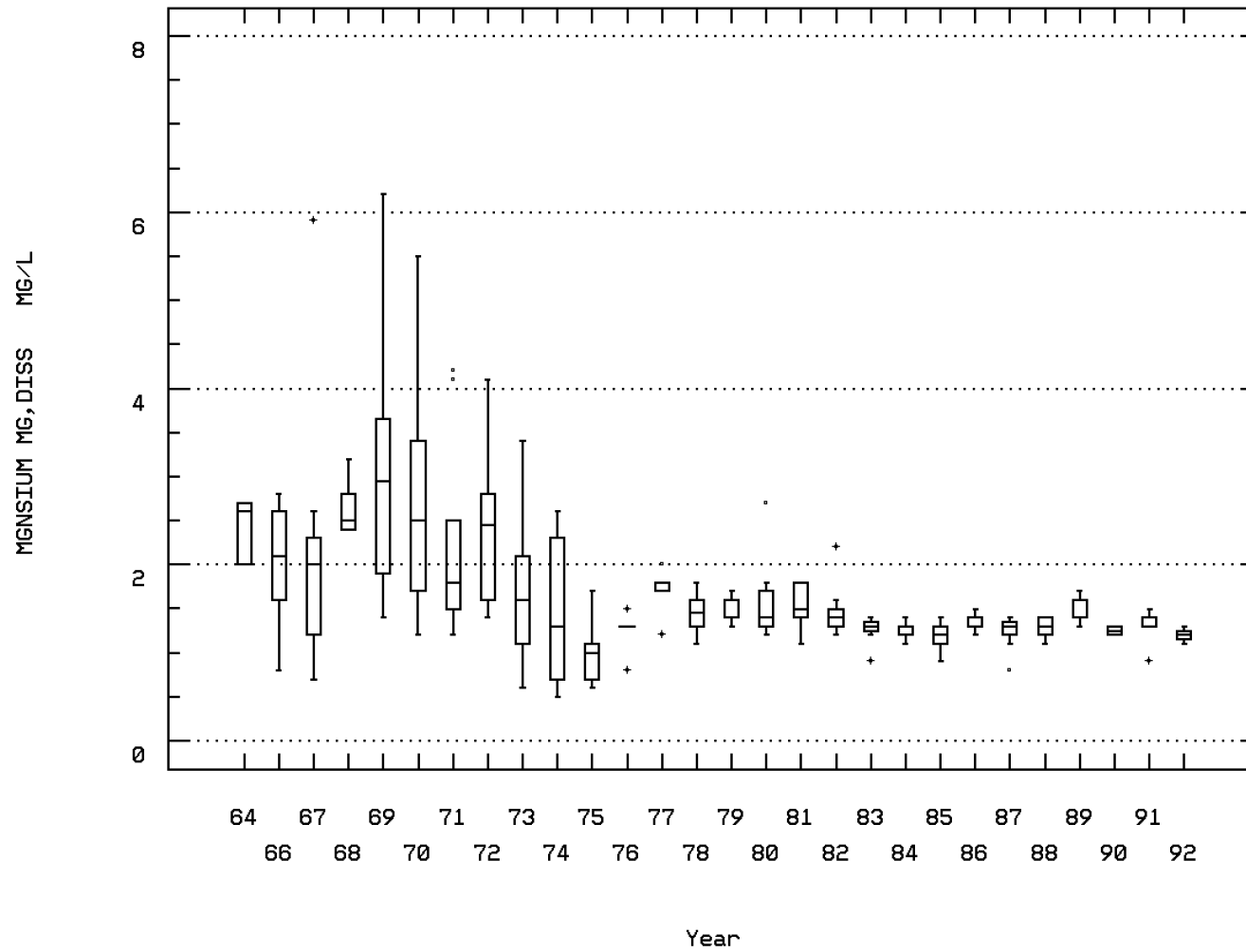
CALCIUM, DISSOLVED (MG/L AS CA)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00925

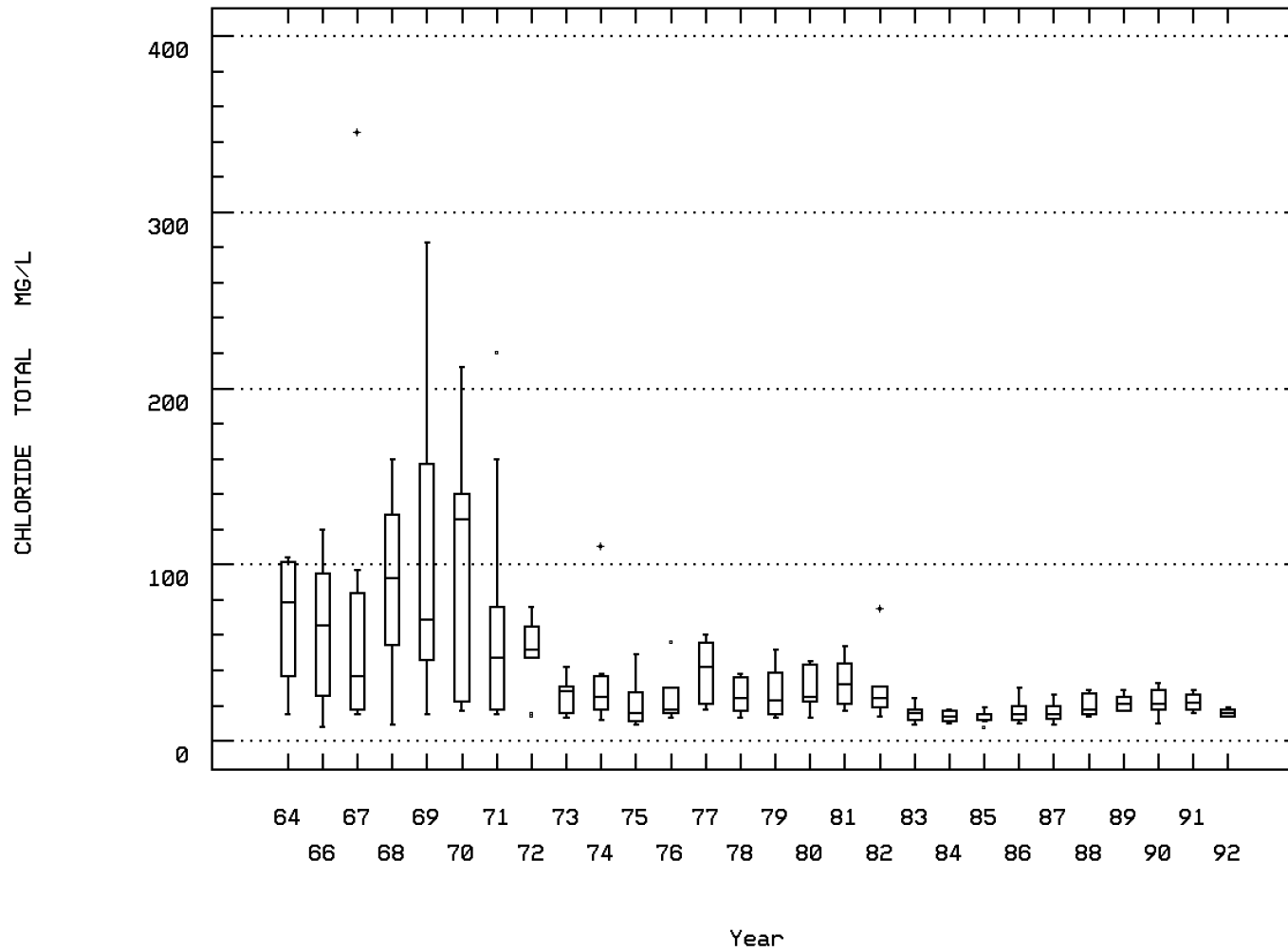
MAGNESIUM, DISSOLVED (MG/L AS MG)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00940

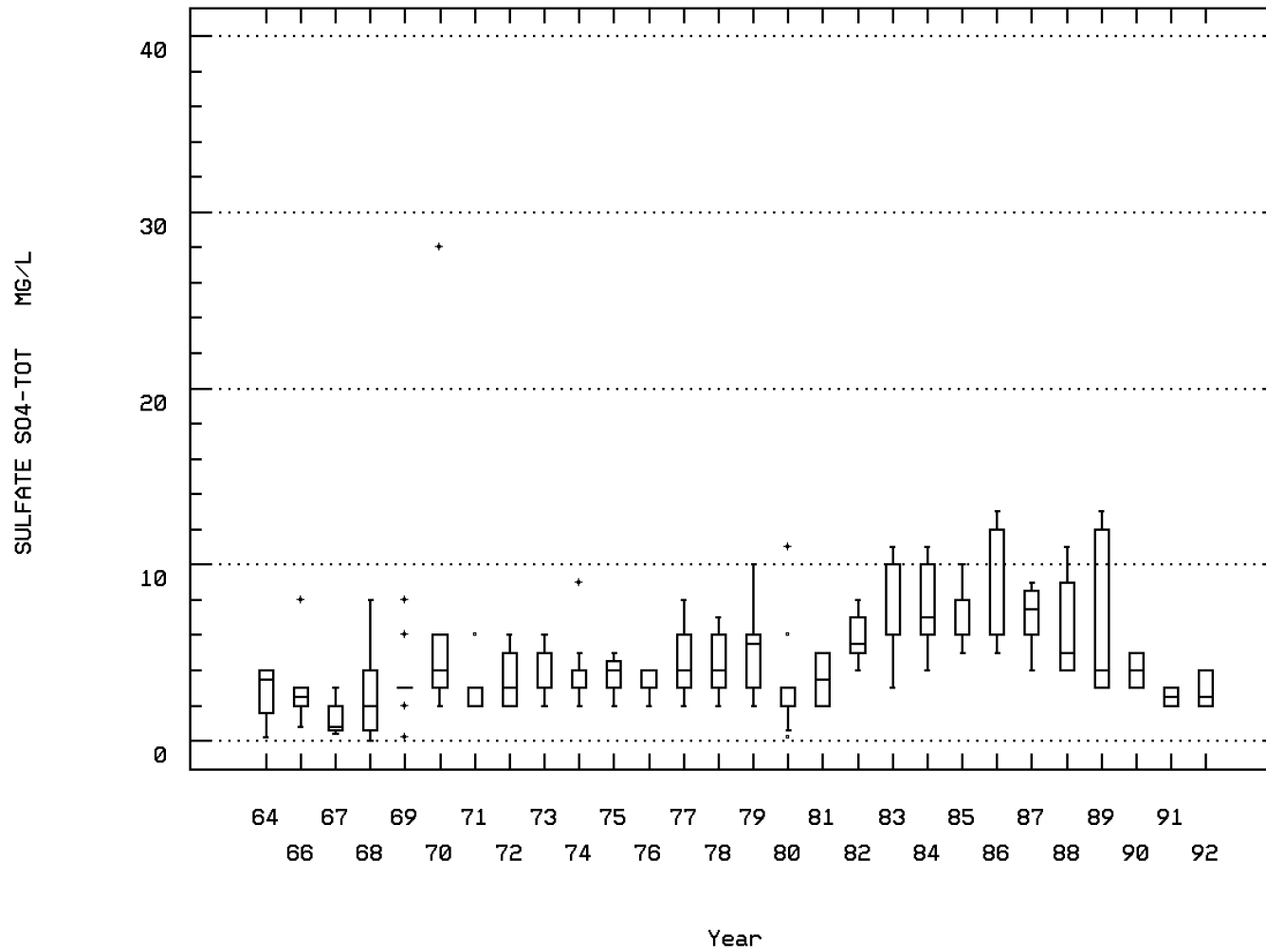
CHLORIDE, TOTAL IN WATER



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00945

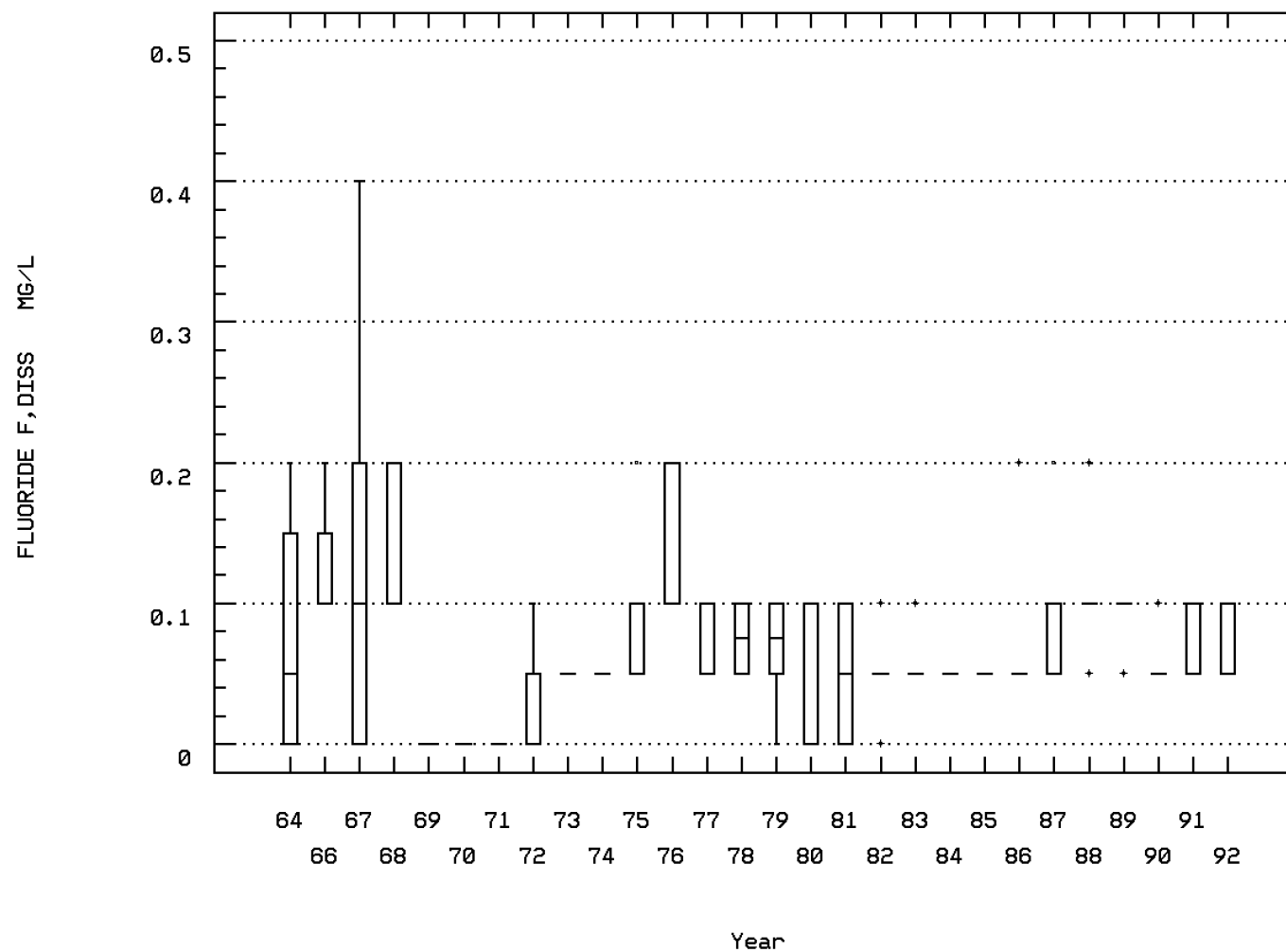
SULFATE, TOTAL (MG/L AS SO4)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00950

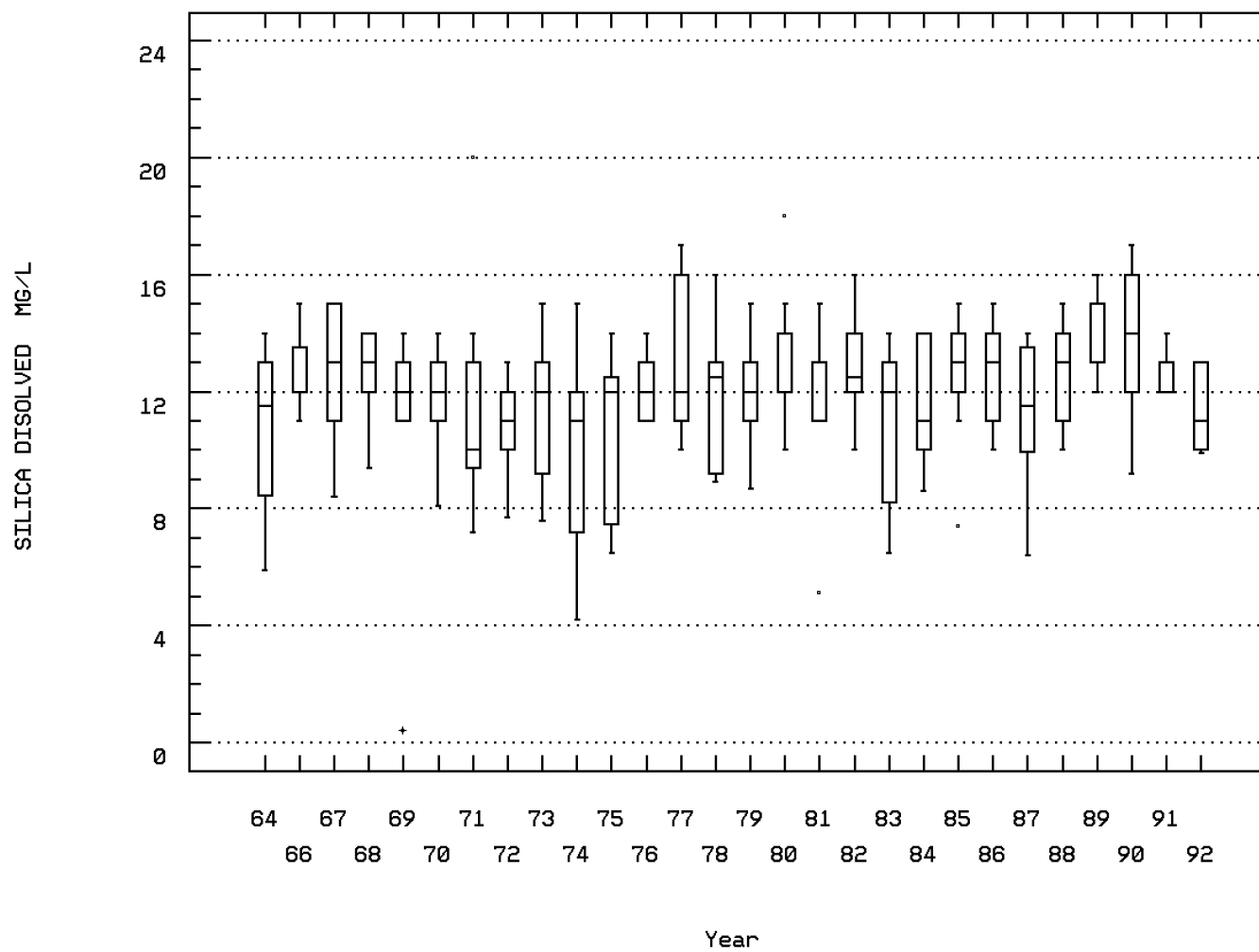
FLUORIDE, DISSOLVED (MG/L AS F)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00955

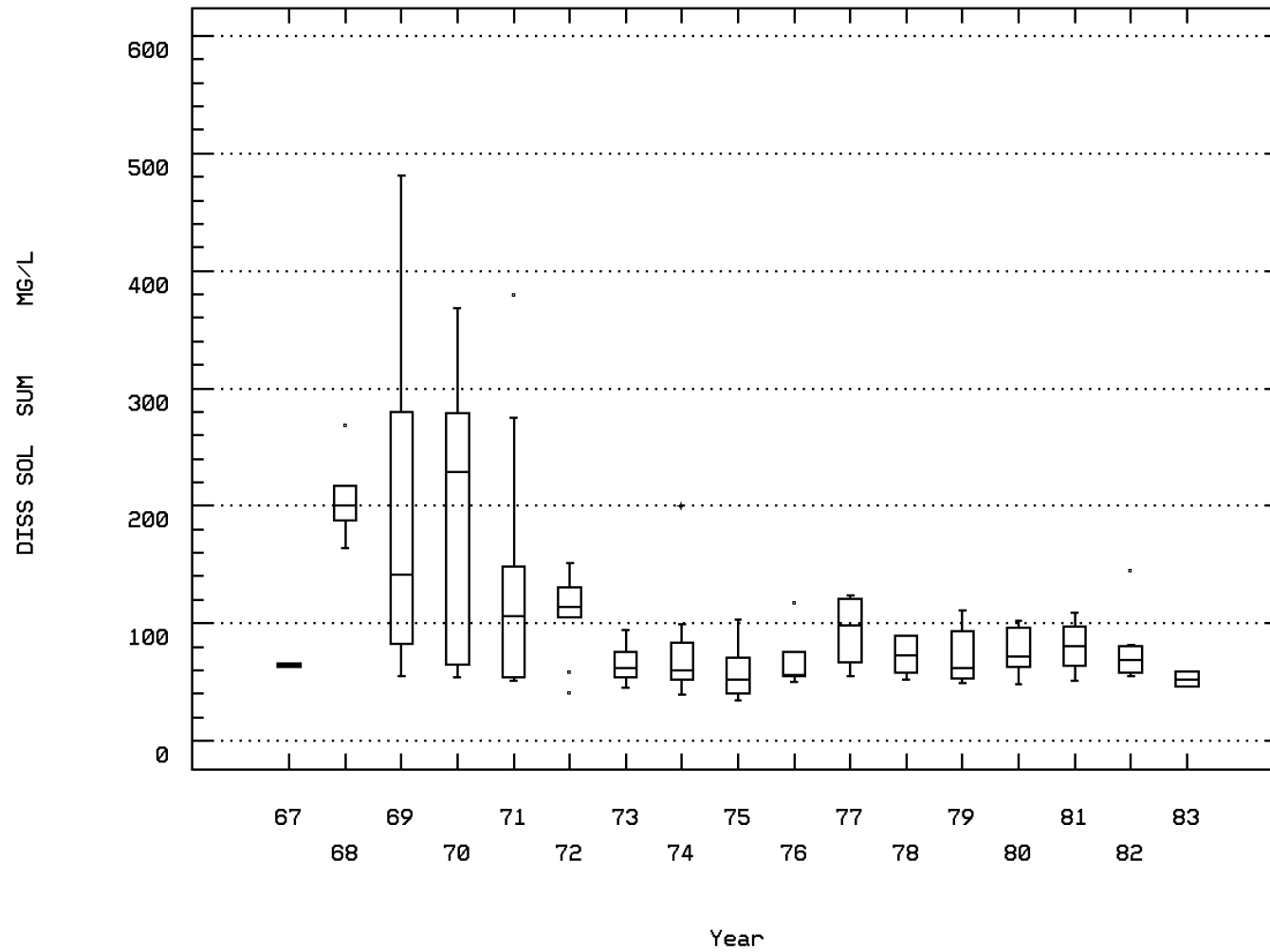
SILICA, DISSOLVED (MG/L AS SI02)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 70301

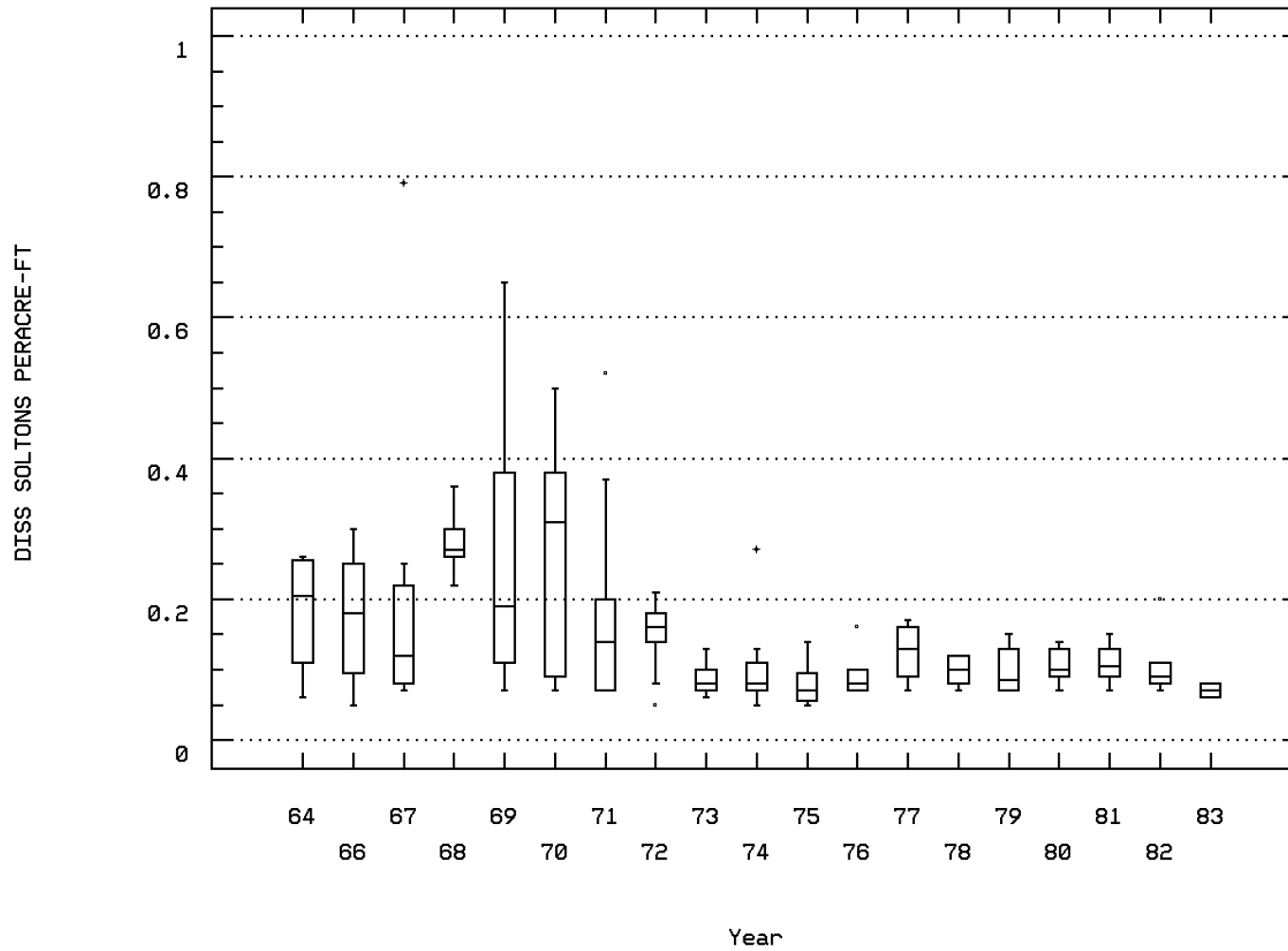
SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 70303

SOLIDS, DISSOLVED-TONS PER ACRE-FT



MENARD CREEK NR RYE, TX

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	43	25.	23.96	29.5	15.5	12.154	3.486	18.38	21.5	26.5	28.
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	12	10.5	12.25	32.	4.	60.386	7.771	4.6	6.25	15.75	28.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	31	27.	52.226	516.	11.	8126.181	90.145	12.2	17.	54.	91.8
00065	STAGE, STREAM (FEET)	10/15/81-07/24/89	14	8.265	8.661	14.08	7.6	2.759	1.661	7.61	7.773	8.73	11.75
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	45	141.	216.956	957.	49.	37079.725	192.561	75.6	97.5	265.	498.8
00400	PH (STANDARD UNITS)	02/20/64-10/24/79	27	6.5	6.37	7.	5.4	0.124	0.352	5.88	6.1	6.6	6.7
00400	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	27	6.5	6.201	7.	5.4	0.153	0.392	5.88	6.1	6.6	6.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	27	0.316	0.629	3.981	0.1	0.599	0.774	0.2	0.251	0.794	1.324
00403	PH, LAB, STANDARD UNITS SU	11/04/80-08/13/92	17	7.3	7.141	7.9	5.9	0.3	0.548	6.14	6.9	7.5	7.82
00403	CONVERTED PH, LAB, STANDARD UNITS	11/04/80-08/13/92	17	7.3	6.744	7.9	5.9	0.468	0.684	6.14	6.9	7.5	7.82
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/80-08/13/92	17	0.05	0.18	1.259	0.013	0.103	0.321	0.015	0.032	0.126	0.757
00405	CARBON DIOXIDE (MG/L AS CO2)	12/04/70-10/24/79	14	15.	15.271	30.	3.8	67.295	8.203	4.3	8.275	22.5	27.5
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	45	11.	11.067	26.	2.	12.882	3.589	9.	10.	12.	14.8
00440	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	28	13.5	14.107	32.	4.	25.062	5.006	10.5	12.	15.75	21.
00445	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	32	29.5	38.094	118.	17.	529.701	23.015	20.3	24.	47.	73.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	32	17.	26.563	108.	3.	565.028	23.77	5.3	13.25	38.	61.6
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	45	7.2	9.636	37.	3.4	47.457	6.889	4.42	5.65	11.	18.6
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	45	1.6	2.013	6.2	0.9	1.298	1.139	1.1	1.2	2.45	3.62
00930p	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	35	16.	23.571	135.	4.9	586.64	24.221	7.34	9.	27.	52.4
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	31	2.	2.194	5.4	0.3	1.558	1.248	0.72	1.4	3.	4.32
00932	SODIUM, PERCENT	04/04/66-02/23/83	26	65.	62.154	76.	33.	98.855	9.943	47.4	59.75	69.25	71.3
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/02/69-01/16/80	11	29.	38.609	100.	3.2	1099.521	33.159	4.06	16.	75.	97.6
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	32	1.25	1.331	2.9	0.9	0.134	0.367	1.	1.1	1.4	1.77
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	45	33.	55.222	283.	10.	3307.404	57.51	13.	19.	68.5	132.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	45	3.	3.827	11.	0.	6.79	2.606	1.	2.	5.5	7.4
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	43	0.05	0.053	0.1	0.	0.001	0.037	0.	0.05	0.1	0.1
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	45	13.	13.	20.	7.7	4.974	2.23	10.	12.	14.5	16.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	27	106.	144.852	481.	45.	10940.285	104.596	56.8	82.	188.	326.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	28	8.135	9.757	26.4	0.62	50.856	7.131	0.991	4.575	14.875	21.09
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	32	0.14	0.192	0.65	0.06	0.018	0.135	0.08	0.11	0.253	0.415
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/20/64-05/28/71	8	0.2	0.188	0.5	0.	0.024	0.155	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	49	12.8	13.237	21.	6.	14.037	3.747	8.	11.	16.05	18.5
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	15	21.	27.667	83.	7.	507.524	22.528	9.4	14.	26.	78.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	37	85.	219.405	1510.	16.	91622.637	302.692	29.8	43.	280.	592.
00065	STAGE, STREAM (FEET)	10/15/81-07/24/89	16	9.47	10.212	14.48	8.04	3.481	1.866	8.46	8.835	11.435	13.57
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	54	105.	161.056	744.	44.	20751.148	144.053	68.5	81.75	177.25	391.
00400	PH (STANDARD UNITS)	02/20/64-10/24/79	32	6.2	6.206	7.9	5.3	0.213	0.461	5.56	6.	6.4	6.57
00400	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	32	6.2	6.013	7.9	5.3	0.251	0.501	5.56	6.	6.4	6.57
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	32	0.631	0.971	5.012	0.013	1.104	1.05	0.271	0.398	1.	2.812
00403	PH, LAB, STANDARD UNITS SU	11/04/80-08/13/92	20	6.9	6.91	7.4	6.3	0.101	0.318	6.41	6.7	7.1	7.39
00403	CONVERTED PH, LAB, STANDARD UNITS	11/04/80-08/13/92	20	6.9	6.799	7.4	6.3	0.114	0.338	6.41	6.7	7.1	7.39
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/80-08/13/92	20	0.126	0.159	0.501	0.04	0.015	0.124	0.041	0.079	0.2	0.39
00405	CARBON DIOXIDE (MG/L AS CO2)	12/04/70-10/24/79	17	13.	17.253	72.	0.3	307.204	17.527	3.1	6.05	19.5	51.2
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	54	8.5	9.167	23.	4.	9.991	3.161	6.5	7.	11.	12.5
00440	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	34	10.5	11.529	28.	5.	20.014	4.474	6.5	8.75	13.25	17.5
00445	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	39	20.	28.59	92.	11.	313.775	17.714	16.	17.	36.	54.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	39	12.	19.077	82.	5.	283.704	16.844	6.	10.	24.	47.
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	54	5.3	7.541	30.	3.2	27.282	5.223	4.15	4.775	8.	16.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	54	1.3	1.598	4.1	0.5	0.53	0.728	1.	1.2	1.8	2.75

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930p SODIUM, DISSOLVED (MG/L AS NA)	02/20/64-08/13/92	42	10.	17.017	72.	4.2	264.122	16.252	6.39	7.8	16.	47.6
00931 SODIUM ADSORPTION RATIO	02/20/64-02/23/83	37	1.4	1.722	4.8	0.5	1.284	1.133	0.68	0.85	2.55	3.5
00932 SODIUM, PERCENT	04/04/66-02/23/83	31	57.	57.097	73.	41.	85.757	9.261	44.6	49.	64.	70.
00933 SODIUM,PLUS POTASSIUM (MG/L)	10/02/69-01/16/80	14	15.	25.914	110.	5.	957.963	30.951	6.45	8.3	25.	95.5
00935p POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	38	1.2	1.292	3.1	0.8	0.19	0.436	0.8	1.	1.5	1.9
00940p CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	53	22.	38.321	220.	7.	1787.03	42.273	12.	15.	41.5	106.
00945p SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	53	5.	5.351	28.	0.6	17.228	4.151	2.	3.	6.5	9.6
00950p FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	51	0.05	0.068	0.2	0.	0.004	0.06	0.	0.05	0.1	0.2
00955p SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	53	13.	12.058	18.	5.2	7.161	2.676	8.18	10.	14.	15.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	35	64.	98.771	379.	37.	6500.417	80.625	41.8	54.	98.	237.4
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	36	14.55	26.44	220.	0.97	1645.473	40.564	2.19	7.53	23.	69.46
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	38	0.09	0.14	0.52	0.05	0.012	0.109	0.059	0.07	0.175	0.306
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/20/64-05/28/71	10	0.2	0.3	0.9	0.	0.082	0.287	0.	0.075	0.525	0.87

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	70	17.9	17.267	28.	8.5	17.694	4.206	10.5	14.5	20.	22.5
00060 FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	24	37.	286.875	5410.	12.	1199587.071	1095.257	17.	21.	68.75	312.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	50	101.	201.44	2350.	34.	120545.721	347.197	49.8	65.	182.	428.4
00065 STAGE, STREAM (FEET)	10/15/81-07/24/89	20	9.83	10.51	16.1	8.68	3.585	1.894	8.988	9.488	10.465	13.52
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	76	94.5	147.895	557.	49.	12631.295	112.389	71.7	81.	188.75	316.5
00400 PH (STANDARD UNITS)	02/20/64-10/24/79	42	6.2	6.2	6.8	5.4	0.101	0.319	5.8	5.975	6.4	6.67
00400 CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	42	6.2	6.081	6.8	5.4	0.116	0.34	5.8	5.975	6.4	6.67
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	42	0.631	0.829	3.981	0.158	0.519	0.721	0.215	0.398	1.065	1.585
00403 PH, LAB, STANDARD UNITS SU	11/04/80-08/13/92	31	7.	6.968	7.8	5.3	0.242	0.492	6.42	6.7	7.3	7.58
00403 CONVERTED PH, LAB, STANDARD UNITS	11/04/80-08/13/92	31	7.	6.531	7.8	5.3	0.439	0.663	6.42	6.7	7.3	7.58
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/80-08/13/92	31	0.1	0.294	5.012	0.016	0.783	0.885	0.026	0.05	0.2	0.382
00405 CARBON DIOXIDE (MG/L AS CO2)	12/04/70-10/24/79	18	9.6	12.661	26.	4.3	57.33	7.572	4.48	6.325	20.75	24.2
00410p ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	72	10.	10.028	15.	3.	6.309	2.512	7.	8.	11.	13.7
00440 BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	45	13.	12.8	18.	6.	10.436	3.231	8.	10.	15.5	17.
00445 CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	52	22.	27.981	72.	13.	197.117	14.04	16.	18.	34.	47.4
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	52	13.	17.615	61.	3.	181.339	13.466	6.	8.	23.	36.4
00915p CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	72	5.55	6.782	22.	3.4	11.327	3.366	4.06	4.8	7.375	12.7
00925p MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	72	1.3	1.474	4.2	0.7	0.445	0.667	1.	1.1	1.6	2.51
00930p SODIUM, DISSOLVED (MG/L AS NA)	02/20/64-08/13/92	59	9.8	13.968	51.	4.6	114.188	10.686	6.2	8.5	15.	27.
00931 SODIUM ADSORPTION RATIO	02/20/64-02/23/83	46	1.35	1.55	3.8	0.6	0.574	0.757	0.8	1.	1.95	2.69
00932 SODIUM, PERCENT	04/04/66-02/23/83	35	58.	56.571	69.	41.	62.958	7.935	45.6	50.	64.	67.4
00933 SODIUM,PLUS POTASSIUM (MG/L)	10/02/69-01/16/80	13	15.	22.908	74.	8.4	334.952	18.302	8.52	9.85	31.5	59.2
00935p POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	53	1.	1.051	1.9	0.7	0.064	0.252	0.8	0.9	1.2	1.36
00940p CHLORIDE, TOTAL IN WATER MG/L	02/20/64-08/13/92	76	18.	34.618	160.	8.	1110.532	33.325	12.7	15.	46.75	81.9
00945p SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	72	4.	4.686	13.	0.2	9.513	3.084	1.3	2.25	6.	10.
00950p FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	69	0.05	0.061	0.4	0.	0.005	0.068	0.	0.	0.1	0.1
00955p SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	72	11.	10.667	14.	0.4	5.432	2.331	7.75	9.425	12.	13.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	39	67.	79.872	275.	44.	1759.694	41.949	49.	54.	97.	114.
70302 SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	41	14.9	55.599	1210.01	1.75	36771.579	191.759	4.928	9.55	23.95	53.04
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	48	0.095	0.119	0.37	0.05	0.004	0.066	0.069	0.07	0.15	0.223
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/20/64-05/28/71	15	0.2	0.233	0.5	0.	0.045	0.213	0.	0.	0.5	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

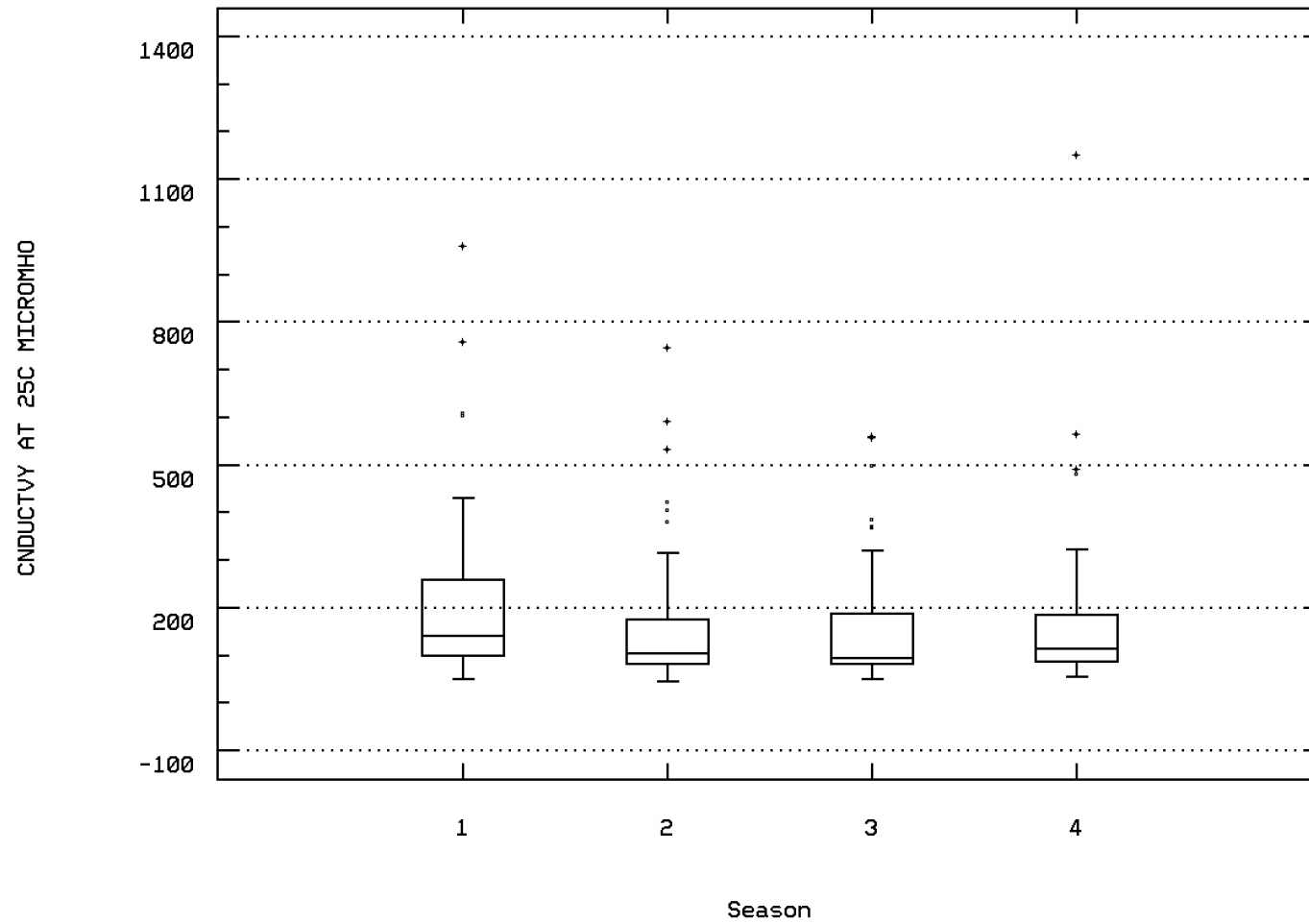
Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/04/66-08/13/92	45	26.5	26.171	29.	20.	4.803	2.192	22.92	24.75	28.	28.7
00060	FLOW, STREAM, MEAN DAILY CFS	02/20/64-09/13/72	15	18.	115.333	1440.	5.	134461.81	366.69	6.8	9.	32.	605.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/72-08/13/92	33	46.	133.697	2000.	13.	139701.655	373.767	14.8	26.5	66.	119.6
00065	STAGE, STREAM (FEET)	10/15/81-07/24/89	14	9.065	8.99	9.89	7.92	0.428	0.655	8.055	8.328	9.54	9.855
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/20/64-08/13/92	48	113.5	174.813	1150.	55.	32858.411	181.269	69.	86.25	190.5	338.6
00400	PH (STANDARD UNITS)	02/20/64-10/24/79	24	6.35	6.346	6.9	5.5	0.088	0.296	6.	6.125	6.575	6.7
00400	CONVERTED PH (STANDARD UNITS)	02/20/64-10/24/79	24	6.347	6.229	6.9	5.5	0.102	0.319	6.	6.125	6.575	6.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/20/64-10/24/79	24	0.45	0.59	3.162	0.126	0.368	0.607	0.2	0.267	0.753	1.027
00403	PH, LAB, STANDARD UNITS SU	11/04/80-08/13/92	22	6.95	6.927	7.8	5.8	0.224	0.473	6.05	6.8	7.125	7.61
00403	CONVERTED PH, LAB, STANDARD UNITS	11/04/80-08/13/92	22	6.947	6.625	7.8	5.8	0.319	0.565	6.05	6.8	7.125	7.61
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/80-08/13/92	22	0.113	0.237	1.585	0.016	0.156	0.396	0.026	0.075	0.158	1.001
00405	CARBON DIOXIDE (MG/L AS CO2)	12/04/70-10/24/79	9	8.3	10.456	35.	3.2	92.37	9.611	3.2	5.1	11.	35.
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/04/66-08/13/92	48	11.	11.542	16.	5.	5.062	2.25	9.7	11.	13.	14.1
00440	BICARBONATE ION (MG/L AS HCO3)	02/20/64-09/25/80	26	15.	14.192	19.	7.	8.082	2.843	8.7	13.	16.	17.
00445	CARBONATE ION (MG/L AS CO3)	04/04/66-09/25/80	26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	02/20/64-02/23/83	30	26.5	32.767	134.	11.	565.426	23.779	16.1	19.75	36.	63.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	02/20/64-02/23/83	30	14.5	21.267	124.	4.	559.513	23.654	6.	7.75	22.25	52.4
00915p	CALCIUM, DISSOLVED (MG/L AS Ca)	02/20/64-08/13/92	45	6.	8.451	44.	3.6	47.013	6.857	4.66	5.3	9.1	15.8
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/64-08/13/92	45	1.4	1.651	5.9	0.6	0.693	0.833	1.1	1.3	1.75	2.32
00930p	SODIUM, DISSOLVED (MG/L AS Na)	02/20/64-08/13/92	38	12.5	19.687	165.	5.3	745.088	27.296	7.2	9.075	18.25	30.7
00931	SODIUM ADSORPTION RATIO	02/20/64-02/23/83	27	1.6	1.933	6.2	0.7	1.455	1.206	0.78	1.1	2.1	3.66
00932	SODIUM, PERCENT	04/04/66-02/23/83	24	60.	59.458	72.	44.	66.085	8.129	47.	55.25	64.75	71.
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/02/69-01/16/80	8	26.	32.138	65.	9.1	378.608	19.458	**	**	**	**
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	03/04/64-08/13/92	36	1.05	1.114	3.3	0.7	0.178	0.422	0.87	0.9	1.1	1.46
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/20/64-08/13/92	48	25.5	42.646	345.	9.	3002.829	54.798	12.9	15.5	48.75	92.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/20/64-08/13/92	45	3.	4.071	12.	0.2	7.062	2.657	1.6	2.	5.	9.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	02/20/64-08/13/92	44	0.05	0.067	0.2	0.	0.003	0.054	0.	0.013	0.1	0.1
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	02/20/64-08/13/92	45	13.	12.311	17.	5.1	4.647	2.156	10.	11.	13.5	15.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/67-02/23/83	23	93.	108.391	280.	34.	4181.704	64.666	50.4	64.	120.	238.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/04/66-01/18/83	27	7.47	22.437	275.	1.32	2868.139	53.555	2.096	3.36	15.3	50.58
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/20/64-02/23/83	27	0.13	0.168	0.79	0.05	0.022	0.149	0.07	0.09	0.17	0.34
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/20/64-05/28/71	6	0.35	0.5	1.3	0.	0.232	0.482	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: BITH0036 Parameter Code: 00095

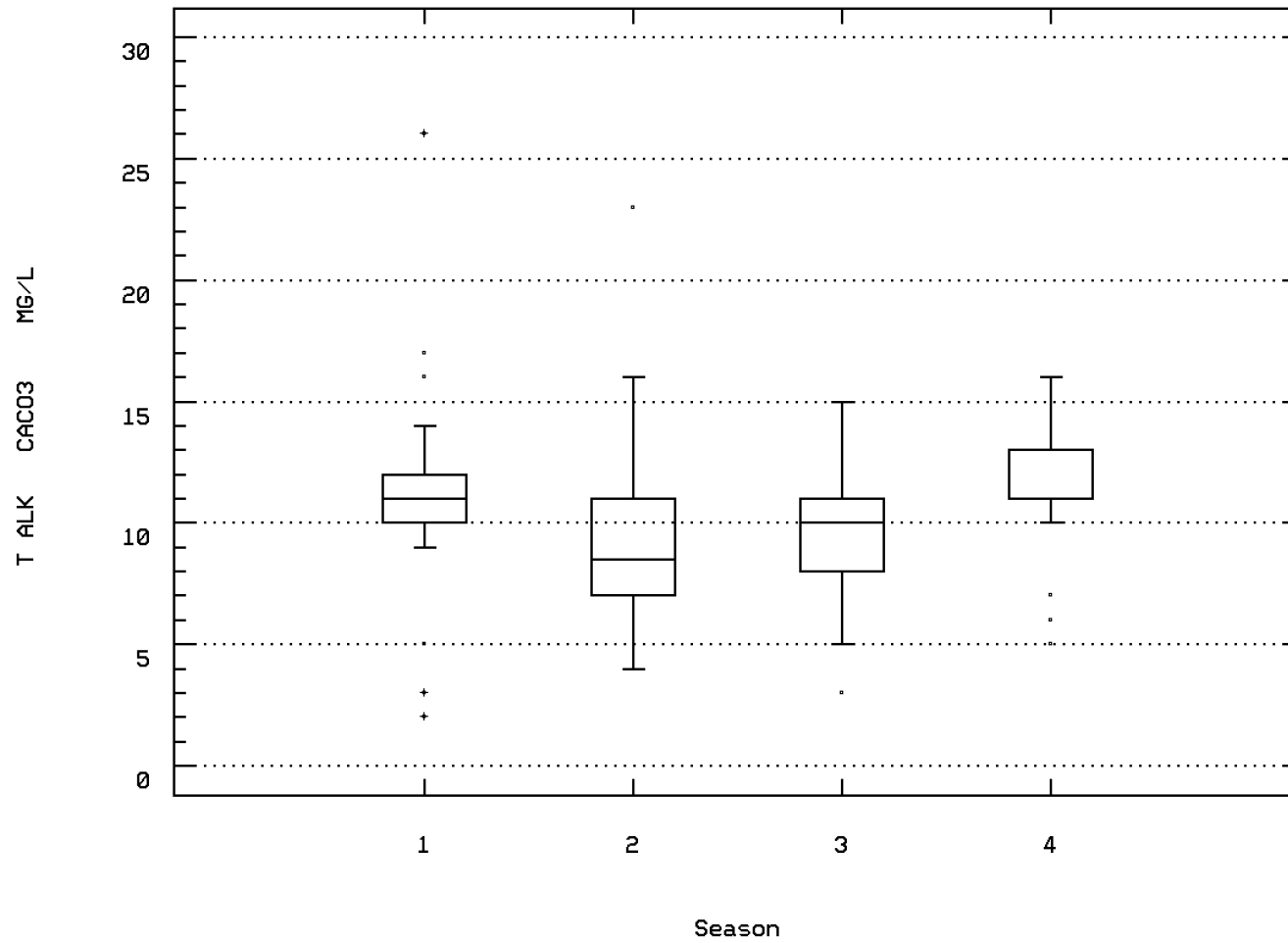
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00410

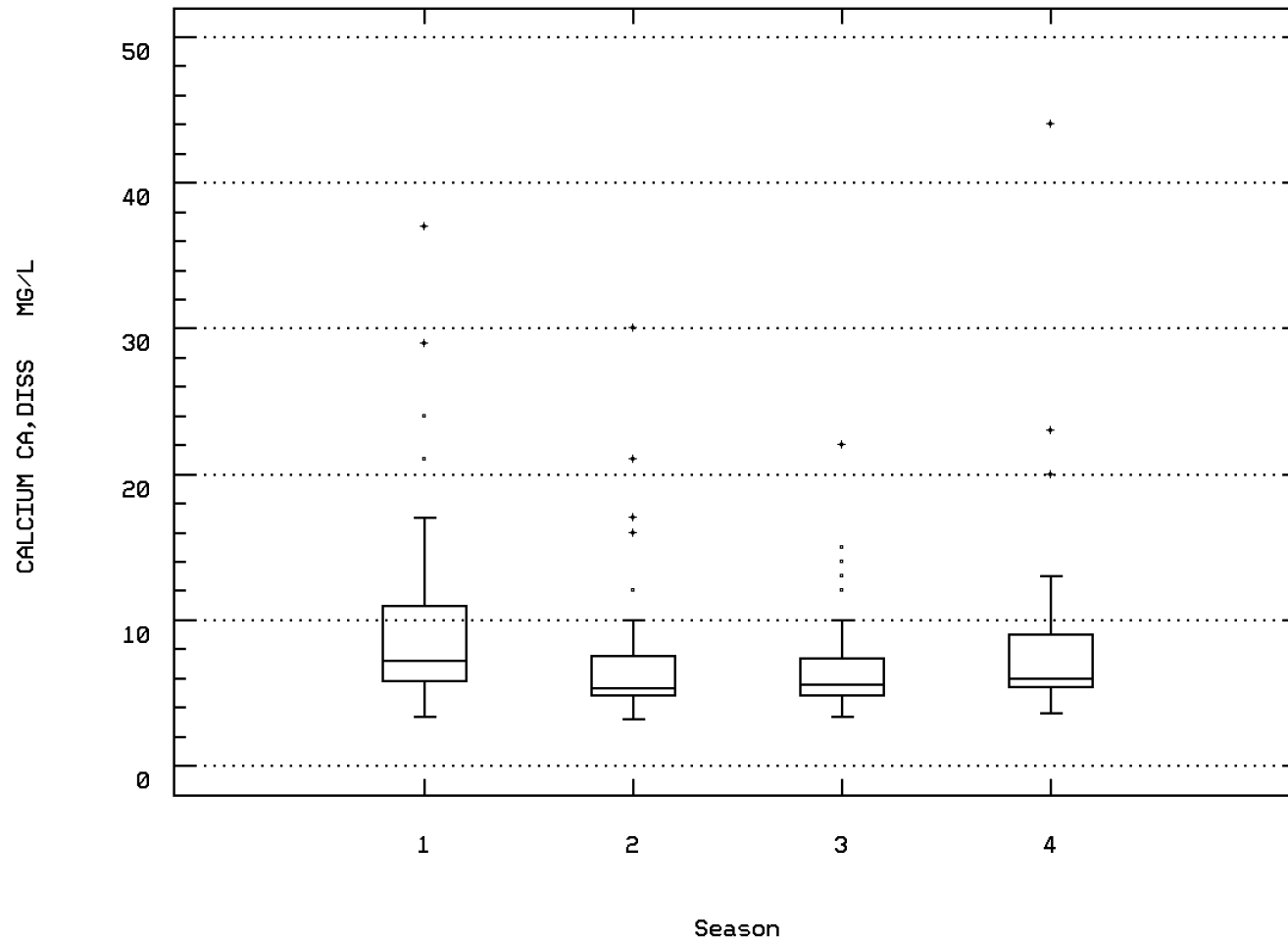
ALKALINITY, TOTAL (MG/L AS CaCO3)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00915

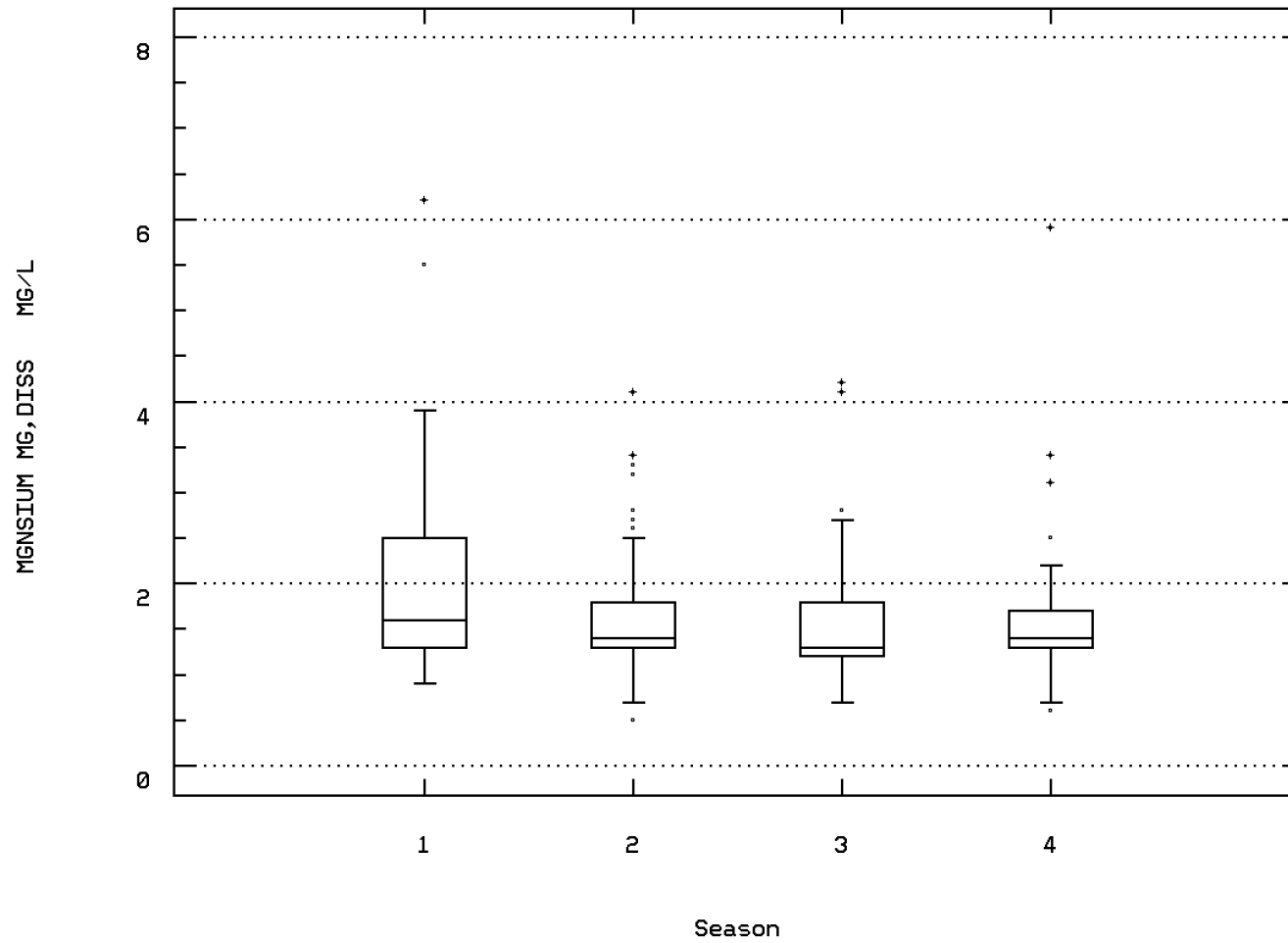
CALCIUM, DISSOLVED (MG/L AS CA)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00925

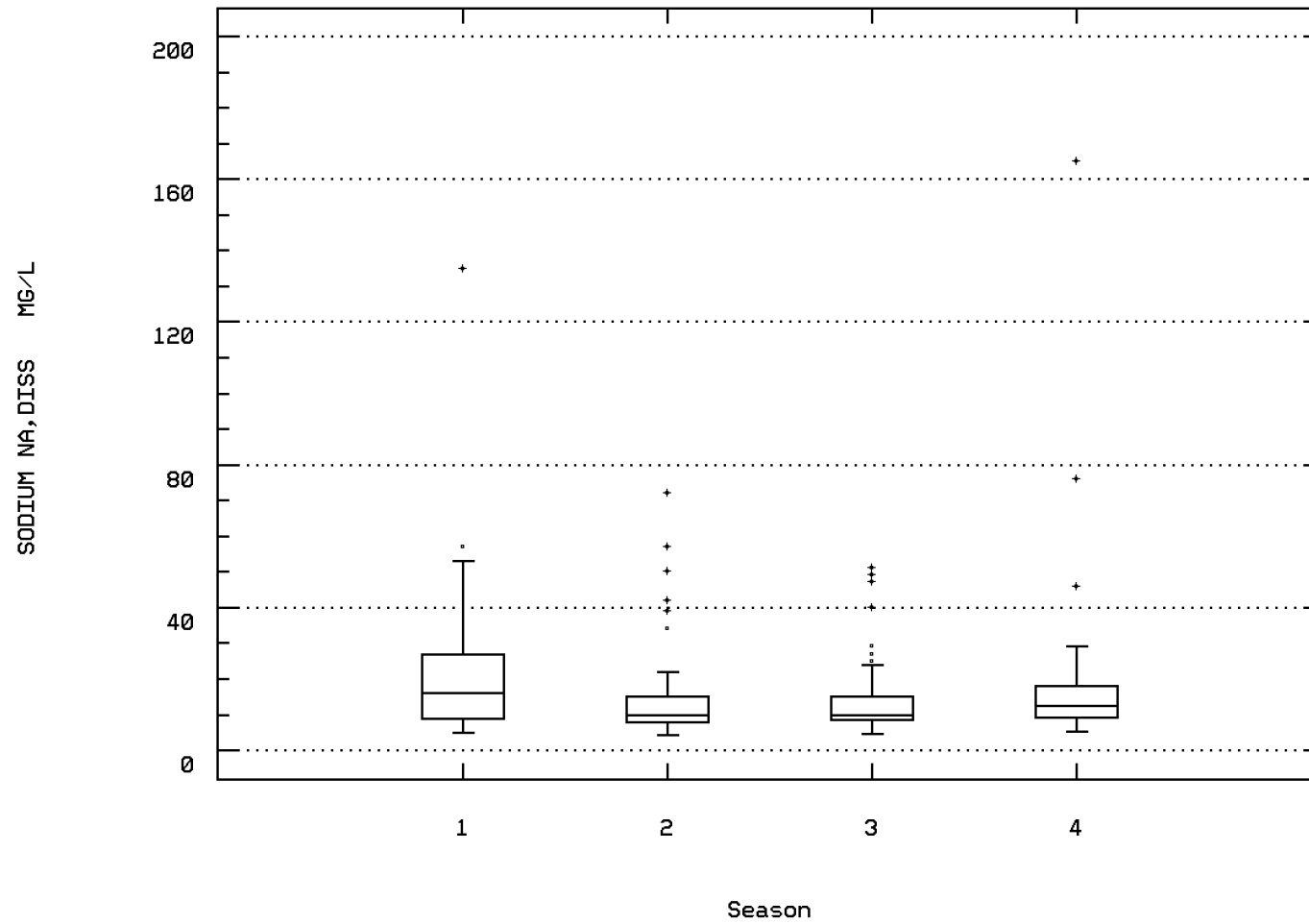
MAGNESIUM, DISSOLVED (MG/L AS MG)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00930

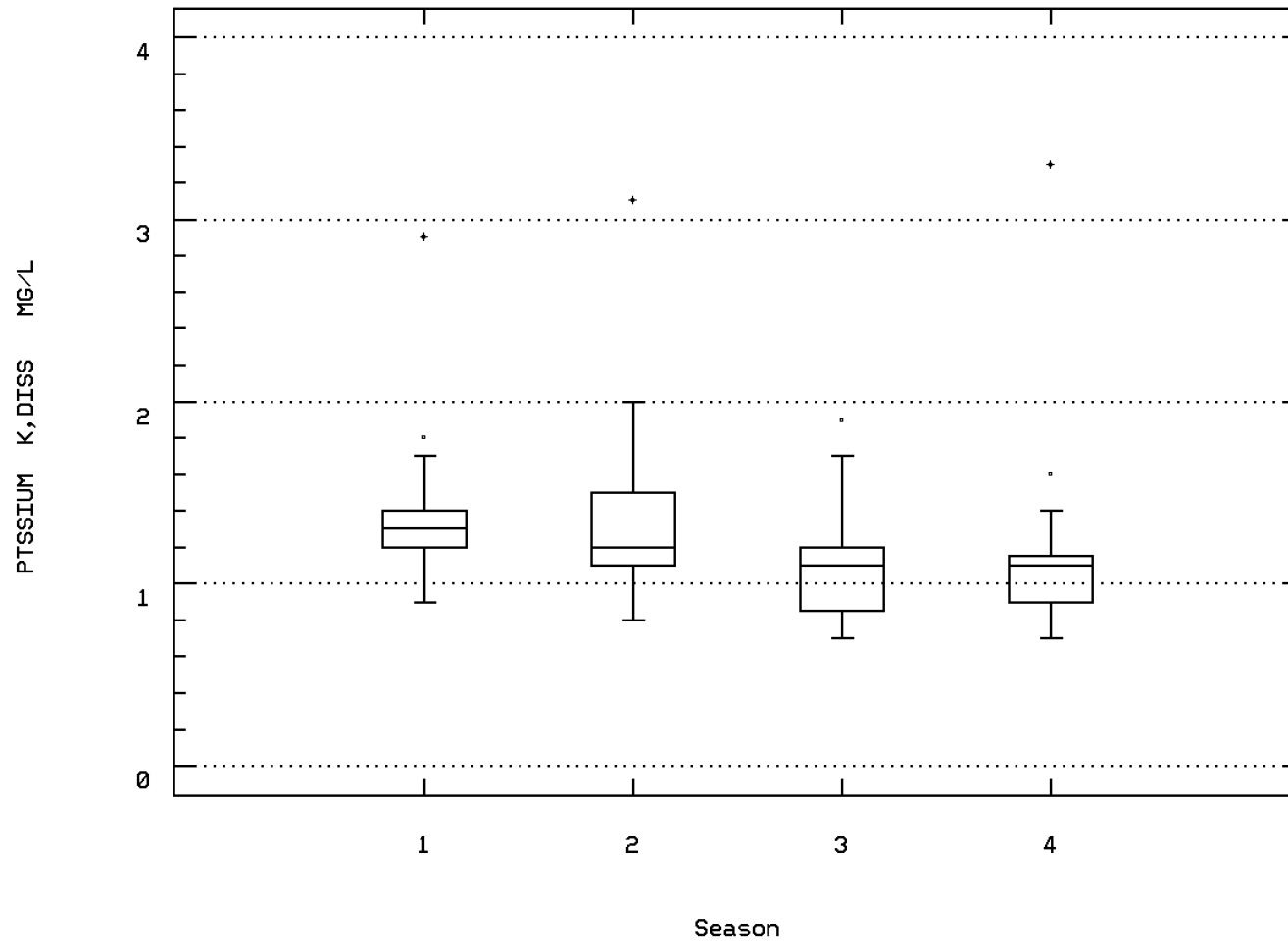
SODIUM, DISSOLVED (MG/L AS NA)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00935

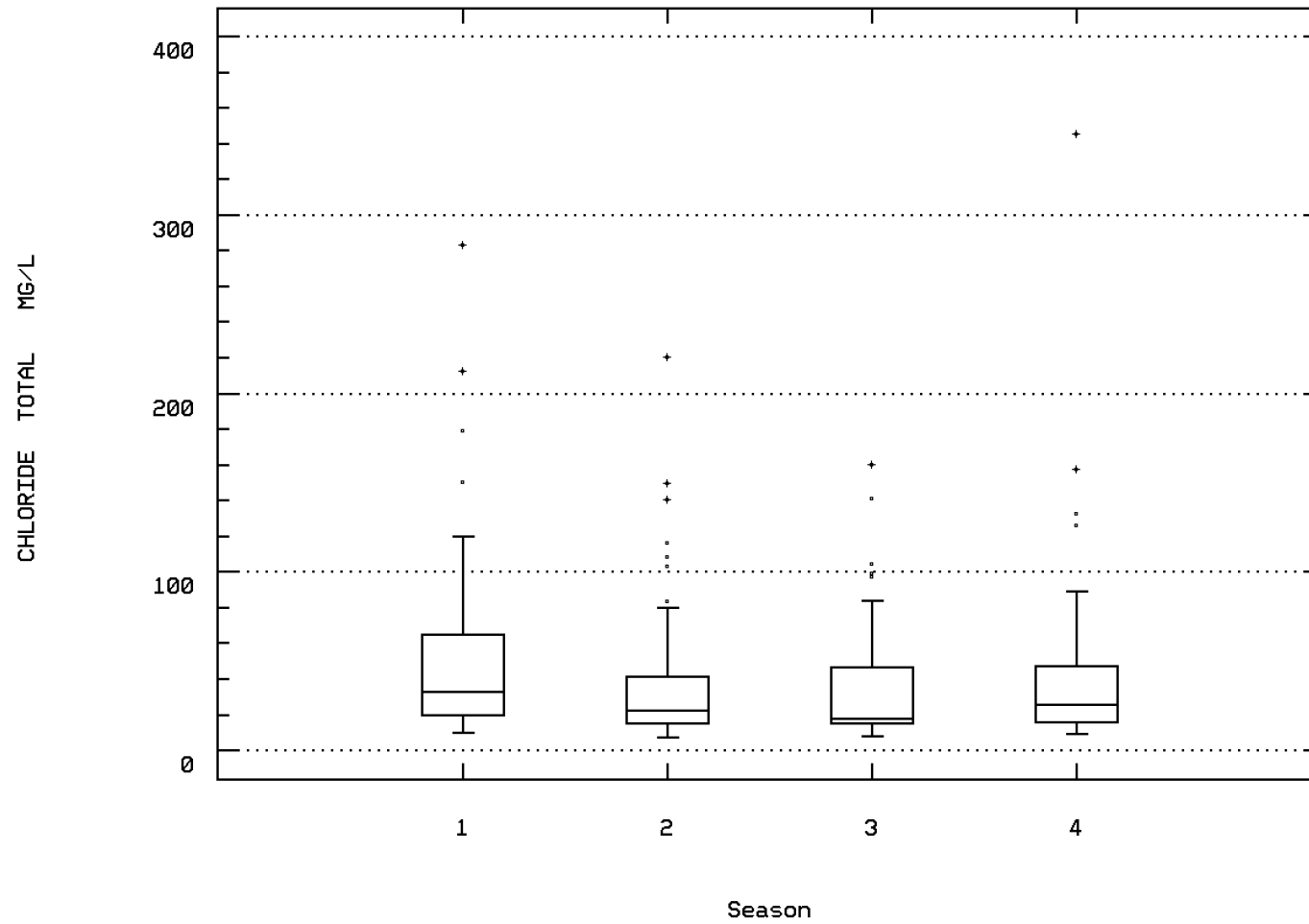
POTASSIUM, DISSOLVED (MG/L AS K)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00940

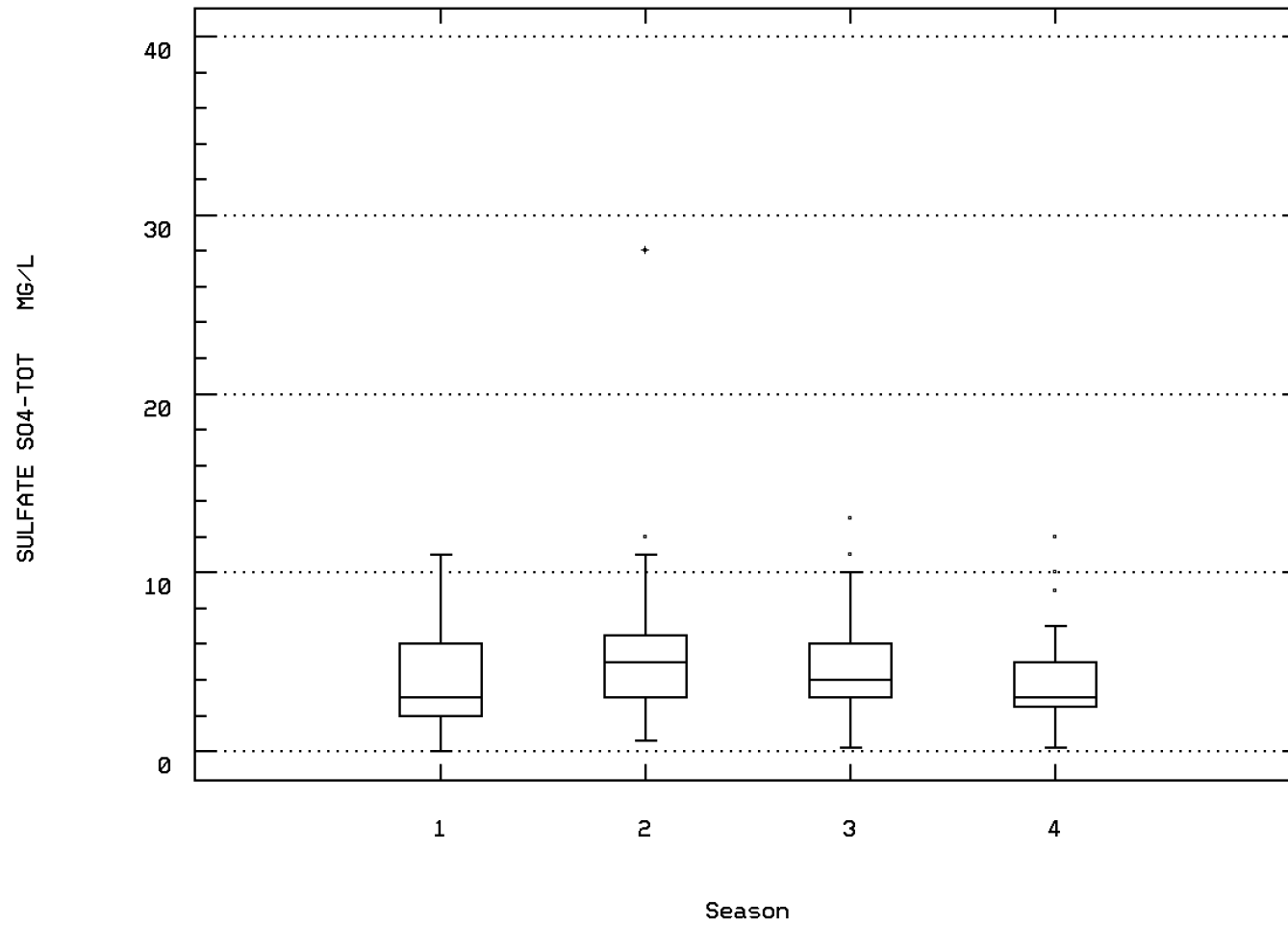
CHLORIDE, TOTAL IN WATER



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00945

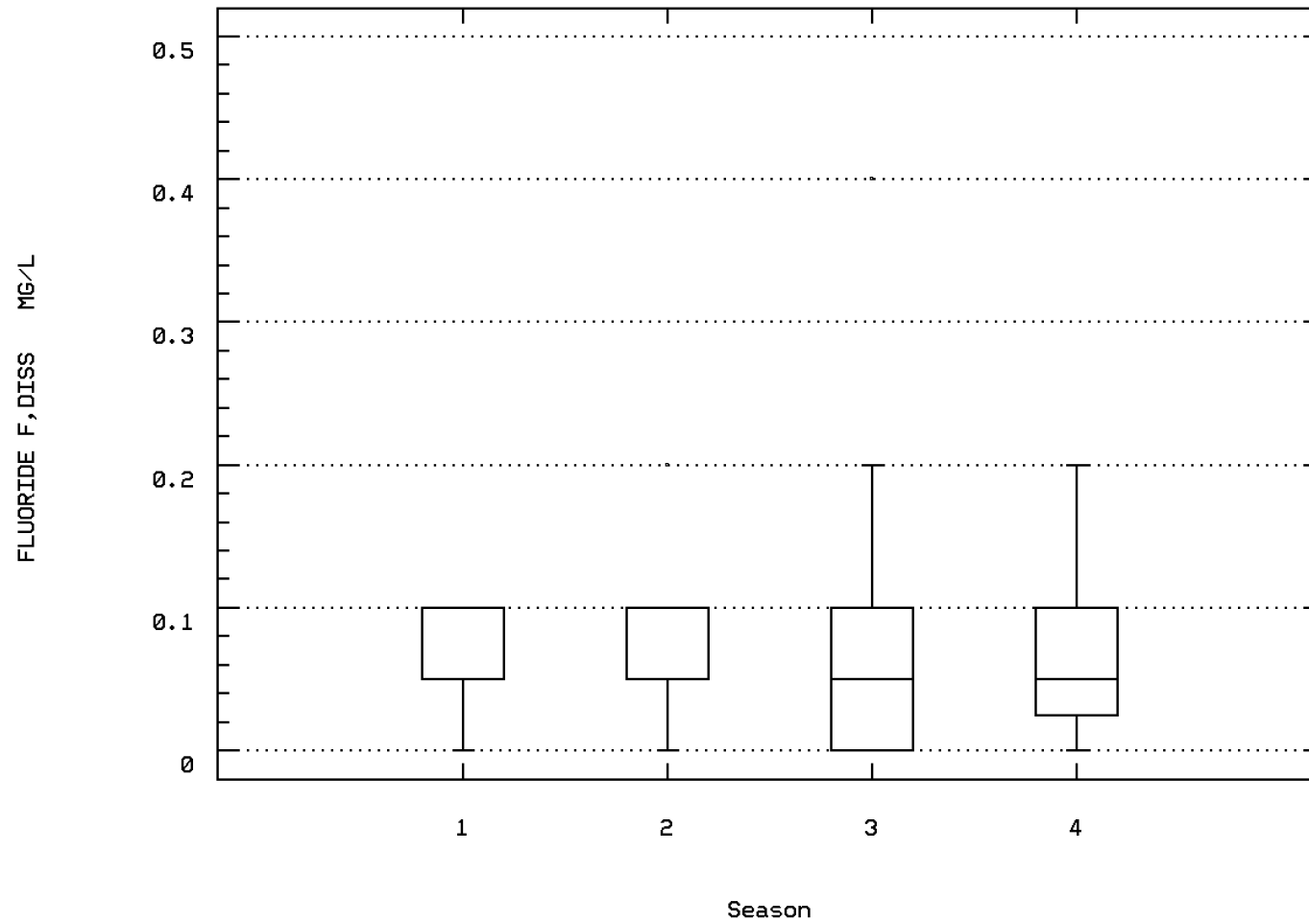
SULFATE, TOTAL (MG/L AS SO4)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00950

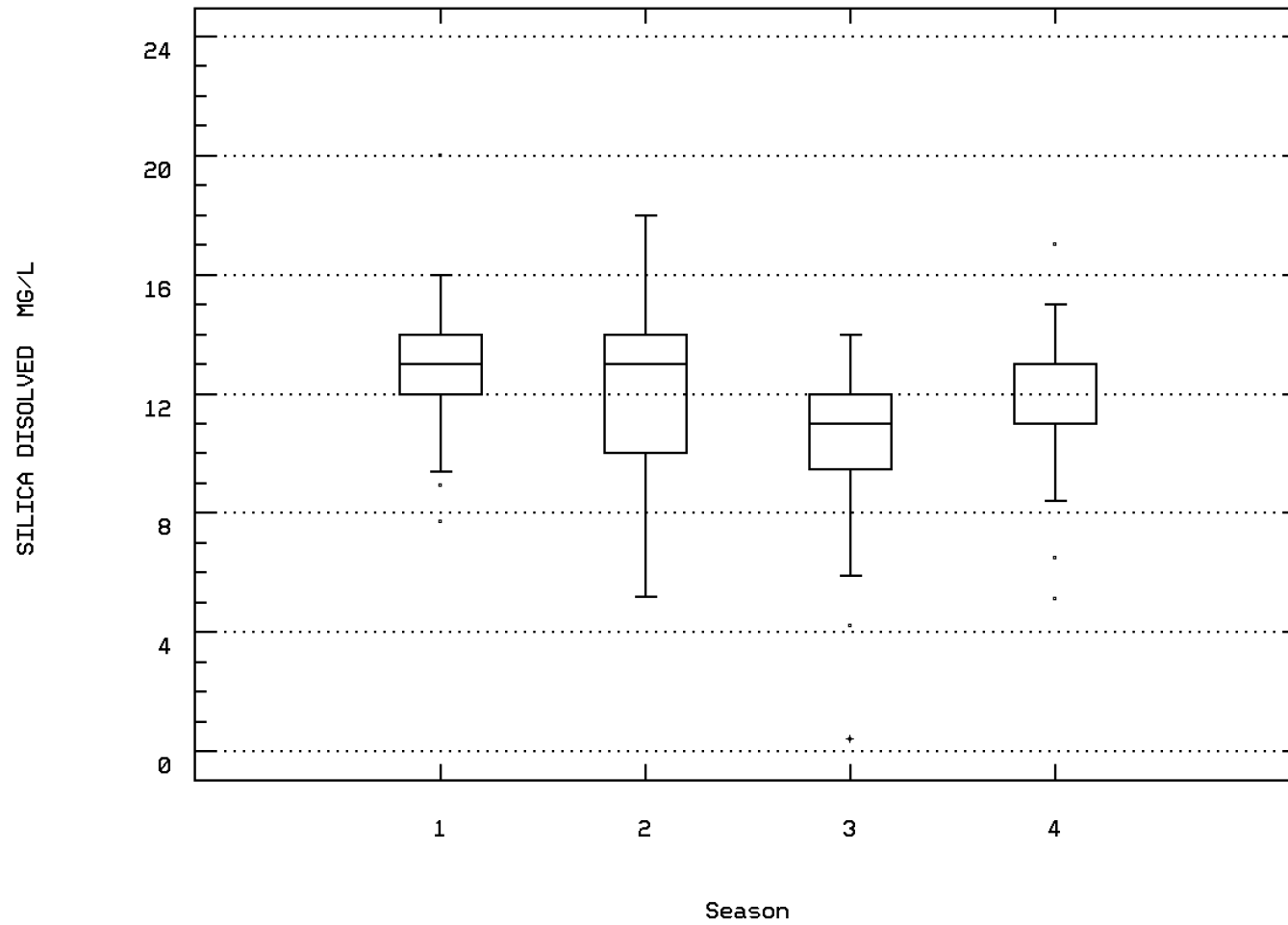
FLUORIDE, DISSOLVED (MG/L AS F)



MENARD CREEK NR RYE, TX

Station: BITH0036 Parameter Code: 00955

SILICA, DISSOLVED (MG/L AS SI02)



MENARD CREEK NR RYE, TX

Station Inventory for Station: BITH0037

NPS Station ID: BITH0037 LAT/LON: 30.679170/ -94.090004
 Location: NECHES RIVER AT FM 1013 EAST OF SPURGER
 Station Type: /TYP/A/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin: Neches River Basin
 RF1 Index: 12020003 RF1 Mile Point: 0.000
 RF3 Index: 12030202002201.13 RF3 Mile Point: 1.12
 Description:
 NECHES RIVER AT FM 1013 EAST OF SPURGER

Agency: 21TXWQB
 FIPS State/County: 48241 TEXAS/JASPER
 STORET Station ID(s): 10581 /0602.0200 /602.2000
 Within Park Boundary: No

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 35M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	90	21.95	20.721	31.	6.1	45.088	6.715	10.65	14.8	27.	28.84
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	87	72.	69.349	87.8	43.	149.86	12.242	51.	57.6	80.6	84.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/05/73-09/24/79	24	5252.	7695.5	21000.	235.	37468371.739	6121.141	940.	3210.5	12778.25	18300.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	68	50.	51.338	130.	8.	558.944	23.642	24.8	35.	60.	87.3
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/20/77-09/20/77	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/12/68-02/07/85	3	40.	58.333	110.	25.	2058.333	45.369	**	**	**	**
00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12/05/73	4	190.	227.5	415.	115.	17475.	132.193	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-05/15/90	44	145.	155.	250.	85.	1329.953	36.469	105.	130.5	187.5	203.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	71	167.	169.282	278.	73.	1401.662	37.439	125.4	145.	196.	208.
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	90	8.	7.817	11.	4.4	2.11	1.453	5.61	6.975	8.85	9.69
00310	BOD, 5 DAY, 20 DEG C MG/L	09/12/68-06/11/73	46	1.5	1.717	5.	0.5	0.763	0.873	0.5	1.	2.125	2.5
00400	PH (STANDARD UNITS)	07/31/70-05/15/90	62	7.	7.018	8.2	6.3	0.115	0.339	6.63	6.8	7.2	7.47
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-05/15/90	62	7.	6.909	8.2	6.3	0.127	0.357	6.63	6.8	7.2	7.47
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-05/15/90	62	0.1	0.123	0.501	0.006	0.007	0.086	0.034	0.063	0.158	0.236
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	70	6.9	6.89	7.6	6.1	0.108	0.329	6.5	6.675	7.1	7.39
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	70	6.9	6.769	7.6	6.1	0.123	0.351	6.5	6.675	7.1	7.39
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	70	0.126	0.17	0.794	0.025	0.019	0.139	0.041	0.079	0.212	0.316
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-05/15/90	27	22.	20.963	33.	13.	19.345	4.398	13.8	18.	23.	25.4
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	02/25/75-09/20/77	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-05/15/90	34	23.	25.824	90.	9.	239.119	15.463	10.5	16.75	28.25	43.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-05/15/90	33	5.	5.5	16.	1.	13.844	3.721	1.5	2.5	7.5	10.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-05/15/90	34 ##	0.05	0.062	0.2	0.005	0.001	0.037	0.03	0.05	0.09	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/08/89-05/15/90	3 ##	0.005	0.03	0.08	0.005	0.002	0.043	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-05/15/90	32	0.05	0.081	0.84	0.01	0.021	0.143	0.015	0.03	0.08	0.12
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/24/79	31	0.14	0.474	10.4	0.	3.398	1.843	0.04	0.1	0.19	0.254
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/24/79	25	0.03	0.214	4.6	0.015	0.835	0.914	0.015	0.015	0.035	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-05/15/90	34	0.05	0.153	3.4	0.01	0.33	0.574	0.03	0.04	0.07	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-05/15/90	28	0.01	0.071	1.5	0.01	0.079	0.281	0.01	0.01	0.02	0.054
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-05/15/90	23	10.	10.478	19.	5.	11.261	3.356	6.4	8.	12.	15.6
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/08/89-05/15/90	3	30.	30.333	32.	29.	2.333	1.528	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-05/15/90	71	22.	22.93	49.	6.	73.466	8.571	14.	17.	28.	33.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/09/72-01/09/74	16	22.5	22.875	30.	14.	25.183	5.018	16.1	18.5	27.75	30.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-05/15/90	65	17.	17.277	33.	5.	19.578	4.425	13.	15.	19.	22.4
01002	ARSENIC, TOTAL (UG/L AS AS)	07/31/70-05/15/90	5 ##	2.5	5.5	10.	2.5	16.875	4.108	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/03/77-08/03/77	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/70-05/15/90	5 ##	0.5	4.3	10.	0.5	27.075	5.203	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/77-05/15/90	4 ##	7.25	7.25	10.	4.5	10.083	3.175	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/03/77-05/15/90	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/77-08/03/77	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/31/70-05/15/90	5 ##	1.5	12.9	50.	1.5	443.675	21.064	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/77-02/07/85	2	125.	125.	150.	100.	1250.	35.355	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/03/77-05/15/90	4 ##	12.5	15.125	30.	5.5	113.396	10.649	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/03/77-05/15/90	4 ##	8.	8.5	10.	8.	1.	1.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/03/77-05/15/90	4	62.5	50.	65.	10.	716.667	26.771	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/03/77-05/15/90	4 ##	2.5	4.375	10.	2.5	14.063	3.75	**	**	**	**
31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/13/73-09/13/73	1	460.	460.	460.	460.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	09/13/73-09/13/73	1	2.663	2.663	2.663	2.663	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			460.								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/28/72-06/11/73	6	440.	432.167	890.	33.	92616.167	304.329	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/28/72-06/11/73	6	2.639	2.467	2.949	1.519	0.266	0.516	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			293.265								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-05/15/90	19	30.	151.395	1410.	0.5	112532.294	335.458	1.	6.	130.	600.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-05/15/90	19	1.477	1.448	3.149	-0.301	0.797	0.893	0.	0.778	2.114	2.778
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.078								
31619	FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48HR	02/28/72-06/11/73	6	20.	34.667	120.	8.	1850.667	43.019	**	**	**	**
31619	LOG FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,4	02/28/72-06/11/73	6	1.239	1.323	2.079	0.903	0.201	0.448	**	**	**	**
31619	GM FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48	GEOMETRIC MEAN =			21.026								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/27/72-09/27/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/27/72-09/27/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1.								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-05/15/90	26	6.5	8.081	31.2	2.	41.528	6.444	2.	3.75	11.5	15.3
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/16/76-05/15/90	8	0.75	2.1	9.8	0.	10.751	3.279	**	**	**	**
32240	TANNIN AND LIGNIN (MG/L)	02/07/85-02/07/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	11/08/89-11/08/89	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.145	0.145	0.145	0.145	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
39700	HEXACHLORO BENZENE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.085	0.085	0.085	0.085	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	11/08/89-11/08/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/20/77-09/07/78	2	139.	139.	158.	120.	722.	26.87	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/31/70-05/15/90	5	0.25	0.39	1.	0.1	0.128	0.358	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0037

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	68	36	0.53	15	6	0.40	18	12	0.67	22	12	0.55	13	6	0.46
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	90	0	0.00	22	0	0.00	22	0	0.00	30	0	0.00	16	0	0.00
00400	PH	Other-Hi Lim.	9.	62	0	0.00	15	0	0.00	13	0	0.00	21	0	0.00	13	0	0.00
		Other-Lo Lim.	6.5	62	3	0.05	15	1	0.07	13	2	0.15	21	0	0.00	13	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0037

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Other-Hi Lim.	9.	70	0	0.00	20	0	0.00	16	0	0.00	23	0	0.00	11	0	0.00
	Other-Lo Lim.	6.5	70	13	0.19	20	2	0.10	16	2	0.13	23	8	0.35	11	1	0.09
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00				1	0	0.00	2	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	32	0	0.00	8	0	0.00	7	0	0.00	12	0	0.00	5	0	0.00
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	71	0	0.00	17	0	0.00	18	0	0.00	25	0	0.00	11	0	0.00
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	16	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00	4	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	65	0	0.00	17	0	0.00	17	0	0.00	22	0	0.00	9	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00				1	0	0.00	2	0	0.00	2	0	0.00
	Drinking Water	50.	5	0	0.00				1	0	0.00	2	0	0.00	2	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00										1	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	4 &	1	0.25				1	0	0.00	2	0	0.00	1	1	1.00
	Drinking Water	5.	4 &	1	0.25				1	0	0.00	2	0	0.00	1	1	1.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
	Drinking Water	1300.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00				1	0	0.00	2	0	0.00	2	0	0.00
	Drinking Water	5.	4 &	1	0.25				1	0	0.00	2	0	0.00	1	1	1.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
	Drinking Water	100.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
	Drinking Water	50.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
	Drinking Water	50.	4	0	0.00				1	0	0.00	2	0	0.00	1	0	0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	19	3	0.16	7	1	0.14	4	2	0.50	5	0	0.00	3	0	0.00
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	1.	1	0	0.00				1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00				1	0	0.00						
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
39360 DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00				1	0	0.00						
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00				1	0	0.00						
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00						
	Drinking Water	0.2	1	0	0.00				1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00				1	0	0.00						
	Drinking Water	3.	1	0	0.00				1	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00				1	0	0.00						
	Drinking Water	0.4	1	0	0.00				1	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00				1	0	0.00						
	Drinking Water	0.2	1	0	0.00				1	0	0.00						
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00				1	0	0.00						
39540 PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00				1	0	0.00						
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	1	0	0.00				1	0	0.00						
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00				1	0	0.00						
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00				1	0	0.00						
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00				1	0	0.00						
	Drinking Water	0.2	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00				1	0	0.00	2	0	0.00	2	0	0.00
	Drinking Water	2.	5	0	0.00				1	0	0.00	2	0	0.00	2	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	4	17.1	17.8	27.	10.	54.427	7.377	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	4	62.8	64.05	80.6	50.	176.17	13.273	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	4	56.	54.75	68.	39.	152.917	12.366	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	4	202.	199.5	232.	162.	835.667	28.908	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	4	7.8	7.8	8.4	7.2	0.267	0.516	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	4	7.15	7.1	7.4	6.7	0.1	0.316	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	4	7.125	7.012	7.4	6.7	0.11	0.332	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	4	0.075	0.097	0.2	0.04	0.005	0.073	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	10	23.75	22.04	31.	10.	56.538	7.519	10.2	14.25	28.925	30.8
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	10	74.75	71.67	87.8	50.	183.129	13.533	50.36	57.65	84.05	87.44
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	5	35.	43.2	70.	22.	429.7	20.729	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	10	162.5	149.9	192.	74.	1282.544	35.813	77.8	121.	174.5	190.4
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	10	7.35	7.22	9.4	4.8	2.546	1.596	4.87	5.575	8.625	9.36
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	10	6.65	6.68	7.3	6.1	0.146	0.382	6.11	6.425	7.025	7.28
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	10	6.647	6.538	7.3	6.1	0.169	0.411	6.11	6.425	7.025	7.28
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	10	0.225	0.29	0.794	0.05	0.06	0.244	0.053	0.095	0.395	0.778

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	12	22.5	19.492	30.	6.1	66.932	8.181	6.94	12.8	26.5	29.67
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	12	72.5	67.083	86.	43.	217.174	14.737	44.5	55.	79.75	85.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	2	46.	46.	50.	42.	32.	5.657	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	12	180.	180.083	208.	158.	281.538	16.779	158.6	164.75	191.75	205.9
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	12	6.8	6.975	10.	5.	2.5	1.581	5.12	5.725	8.15	9.82
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	12	6.75	6.792	7.2	6.4	0.081	0.284	6.43	6.525	7.075	7.2
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	12	6.747	6.713	7.2	6.4	0.088	0.296	6.43	6.525	7.075	7.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	12	0.179	0.194	0.398	0.063	0.013	0.113	0.063	0.085	0.3	0.374

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	13	22.2	19.185	28.3	8.3	46.206	6.798	9.22	12.5	24.7	28.1
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	13	72.	66.538	83.	47.	149.936	12.245	48.6	54.5	76.5	82.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	11	40.	43.909	87.	8.	544.291	23.33	11.6	30.	58.	85.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	13	205.	212.615	278.	136.	1224.756	34.997	160.	197.	242.	267.6
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	13	8.1	7.854	9.7	4.4	2.146	1.465	5.04	7.	9.	9.5
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	13	6.8	6.869	7.4	6.5	0.077	0.278	6.5	6.7	7.	7.36
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	13	6.8	6.796	7.4	6.5	0.083	0.288	6.5	6.7	7.	7.36
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	13	0.158	0.16	0.316	0.04	0.008	0.089	0.044	0.1	0.2	0.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	12	21.7	20.158	26.7	10.	32.81	5.728	10.18	16.525	25.3	26.37
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	12	71.	68.25	80.	50.	106.205	10.306	50.3	61.75	77.5	79.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	11	65.	71.	123.	40.	595.	24.393	41.	53.	92.	117.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	5	176.	166.2	187.	133.	474.7	21.788	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	12	8.3	8.408	11.	4.4	2.703	1.644	5.33	7.725	9.525	10.73
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	5	7.	7.04	7.4	6.8	0.048	0.219	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	5	7.	7.001	7.4	6.8	0.05	0.223	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	5	0.1	0.1	0.158	0.04	0.002	0.042	**	**	**	**

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Annual Analysis for 1973 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	12	23.35	21.567	28.9	8.9	49.297	7.021	9.56	15.65	27.8	28.72
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	12	74.	70.808	84.	48.	159.859	12.644	49.2	60.125	82.	83.7
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	12	45.5	47.25	130.	19.	889.659	29.827	19.3	23.5	55.75	108.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	4	160.	157.5	170.	140.	225.	15.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	12	7.75	7.492	9.	5.3	1.854	1.361	5.36	6.275	8.675	9.
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	4	6.9	6.975	7.6	6.5	0.216	0.465	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	4	6.889	6.824	7.6	6.5	0.246	0.496	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	4	0.129	0.15	0.316	0.025	0.015	0.124	**	**	**	**

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Annual Analysis for 1974 - Station BITH0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	11	25.	21.873	29.4	12.2	44.836	6.696	12.54	15.5	28.3	29.4
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	11	77.	71.4	85.	54.	145.67	12.069	54.6	59.9	83.	85.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	11	38.	44.455	90.	30.	286.473	16.926	30.	35.	50.	82.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	10	145.	140.4	153.	105.	176.489	13.285	108.3	138.	147.25	152.5
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	11	8.3	8.391	10.1	7.	1.529	1.236	7.02	7.2	9.8	10.06
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	10	7.15	7.14	7.6	6.5	0.094	0.306	6.54	6.975	7.4	7.58
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	10	7.147	7.031	7.6	6.5	0.107	0.327	6.54	6.975	7.4	7.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	10	0.071	0.093	0.316	0.025	0.007	0.084	0.027	0.04	0.106	0.297

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	7	15.	19.	28.2	12.8	45.68	6.759	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	7	59.	66.2	82.8	55.	148.373	12.181	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	7	52.	48.	70.	19.	355.	18.841	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	7	131.	141.714	185.	119.	520.571	22.816	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	7	9.5	8.714	10.2	6.6	2.331	1.527	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	6	6.9	6.883	7.	6.7	0.014	0.117	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	6	6.9	6.87	7.	6.7	0.014	0.118	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	6	0.126	0.135	0.2	0.1	0.001	0.038	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	3	26.6	24.767	27.7	20.	17.343	4.165	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	3	79.9	76.6	81.9	68.	56.47	7.515	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	3	61.	61.667	72.	52.	100.333	10.017	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	3	150.	166.	200.	148.	868.	29.462	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	3	7.5	7.767	8.5	7.3	0.413	0.643	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	3	7.	6.867	7.3	6.3	0.263	0.513	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	3	7.	6.663	7.3	6.3	0.325	0.57	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	3	0.1	0.217	0.501	0.05	0.061	0.247	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	1	185.	185.	185.	185.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	1	30.5	30.5	30.5	30.5	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	1	86.9	86.9	86.9	86.9	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	1	184.	184.	184.	184.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	1	74.3	74.3	74.3	74.3	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station BITH0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	1	19.6	19.6	19.6	19.6	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station BITH0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	2	19.9	19.9	24.	15.8	33.62	5.798	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	2	7.95	7.95	9.	6.9	2.205	1.485	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	22	27.	25.591	30.5	12.8	15.246	3.905	20.66	23.8	28.05	29.25
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	22	80.6	78.05	86.9	55.	49.363	7.026	69.2	74.825	82.2	84.7
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	15	40.	44.4	95.	8.	448.114	21.169	18.2	28.	60.	78.8
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-05/15/90	10	155.	152.2	206.	85.	1611.511	40.144	87.	116.25	184.	205.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	20	174.5	170.45	232.	73.	1200.05	34.642	131.9	150.75	195.	207.8
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	22	7.5	7.4	10.	5.5	1.046	1.023	5.86	6.675	8.125	8.3
00400	PH (STANDARD UNITS)	07/31/70-05/15/90	15	7.	7.007	7.5	6.5	0.104	0.322	6.62	6.7	7.3	7.44
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-05/15/90	15	7.	6.902	7.5	6.5	0.115	0.339	6.62	6.7	7.3	7.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-05/15/90	15	0.1	0.125	0.316	0.032	0.007	0.085	0.037	0.05	0.2	0.246
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	20	7.	6.965	7.6	6.3	0.096	0.31	6.51	6.8	7.075	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	20	7.	6.86	7.6	6.3	0.108	0.328	6.51	6.8	7.075	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	20	0.1	0.138	0.501	0.025	0.012	0.11	0.04	0.085	0.158	0.31
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-05/15/90	7	22.	20.286	25.	13.	15.905	3.988	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-05/15/90	9	16.	16.889	27.	10.	43.861	6.623	10.	10.5	24.	27.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-05/15/90	8	2.25	3.938	9.	1.	11.388	3.375	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-05/15/90	9	0.05	0.048	0.1	0.005	0.001	0.024	0.005	0.04	0.05	0.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-05/15/90	8 ##	0.05	0.046	0.11	0.015	0.001	0.03	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/24/79	9	0.15	0.148	0.21	0.08	0.002	0.043	0.08	0.115	0.18	0.21
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-05/15/90	9	0.05	0.05	0.07	0.03	0.	0.013	0.03	0.04	0.06	0.07
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-05/15/90	8	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-05/15/90	17	23.	23.	33.	6.	46.25	6.801	13.2	19.5	27.5	33.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-05/15/90	17	15.	15.882	23.	6.	17.235	4.152	10.8	14.	18.5	22.2
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-05/15/90	8	3.5	6.125	16.	2.	26.125	5.111	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	22	13.4	13.986	26.1	6.1	21.045	4.587	9.23	10.45	16.525	20.72
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	21	55.	56.686	79.	43.	66.361	8.146	48.4	50.5	60.45	68.96
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	18	55.	59.	130.	30.	600.706	24.509	30.9	41.25	70.	94.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-05/15/90	11	135.	141.727	190.	105.	592.618	24.344	109.	128.	150.	188.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	17	164.	166.647	234.	105.	1033.743	32.152	116.2	144.	189.5	207.6
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	22	8.5	8.3	11.	4.4	2.729	1.652	5.21	7.425	9.5	10.1
00400	PH (STANDARD UNITS)	07/31/70-05/15/90	13	7.	6.962	7.5	6.3	0.136	0.369	6.38	6.7	7.25	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-05/15/90	13	7.	6.82	7.5	6.3	0.158	0.397	6.38	6.7	7.25	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-05/15/90	13	0.1	0.151	0.501	0.032	0.018	0.134	0.032	0.06	0.205	0.427
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	16	6.7	6.869	7.4	6.5	0.084	0.289	6.5	6.7	7.15	7.33
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	16	6.7	6.79	7.4	6.5	0.09	0.3	6.5	6.7	7.15	7.33
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	16	0.2	0.162	0.316	0.04	0.008	0.09	0.047	0.072	0.2	0.316
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-05/15/90	6	20.	21.333	33.	15.	38.267	6.186	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-05/15/90	7	27.	35.714	90.	21.	595.238	24.398	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-05/15/90	7	6.	6.786	15.	1.5	20.321	4.508	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-05/15/90	7 ##	0.05	0.076	0.14	0.05	0.001	0.036	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-05/15/90	7	0.03	0.047	0.12	0.01	0.002	0.041	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/24/79	6	0.1	0.11	0.21	0.03	0.004	0.062	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-05/15/90	7	0.04	0.049	0.11	0.01	0.001	0.033	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-05/15/90	6	0.01	0.018	0.04	0.01	0.	0.013	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-05/15/90	18	23.5	23.389	36.	14.	37.31	6.108	15.8	17.75	27.25	32.4
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-05/15/90	17	17.	16.765	24.	11.	10.816	3.289	12.6	14.	19.	21.6
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-05/15/90	5	9.	12.84	31.2	4.	116.028	10.772	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	30	19.15	18.34	26.1	8.3	24.749	4.975	12.02	13.975	22.575	24.36
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	28	66.5	64.807	79.	47.	81.418	9.023	53.04	57.05	72.125	76.15
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	22	52.	54.636	123.	19.	653.481	25.563	23.9	35.	70.5	92.7
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-05/15/90	14	147.5	159.857	221.	98.	1491.978	38.626	109.	129.25	196.25	215.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	23	170.	172.957	278.	74.	2372.316	48.706	116.8	138.	201.	251.2
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	30	8.65	8.313	10.2	4.4	2.14	1.463	6.42	7.1	9.325	9.89
00400	PH (STANDARD UNITS)	07/31/70-05/15/90	21	7.	7.01	8.2	6.6	0.16	0.4	6.62	6.8	7.	7.84
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-05/15/90	21	7.	6.902	8.2	6.6	0.172	0.415	6.62	6.8	7.	7.84
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-05/15/90	21	0.1	0.125	0.251	0.006	0.004	0.066	0.021	0.1	0.158	0.241
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	23	6.8	6.752	7.3	6.1	0.102	0.319	6.28	6.5	7.	7.16
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	23	6.8	6.638	7.3	6.1	0.115	0.34	6.28	6.5	7.	7.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	23	0.158	0.23	0.794	0.05	0.034	0.185	0.07	0.1	0.316	0.538
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-05/15/90	9	20.	19.667	25.	13.	17.25	4.153	13.	16.	23.	25.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-05/15/90	12	23.5	25.917	46.	9.	119.356	10.925	11.1	17.25	34.25	44.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-05/15/90	12	5.	6.	16.	1.	16.364	4.045	1.3	4.	8.25	14.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-05/15/90	12 ##	0.05	0.062	0.1	0.005	0.001	0.029	0.019	0.05	0.098	0.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-05/15/90	12	0.065	0.133	0.84	0.01	0.051	0.226	0.016	0.04	0.115	0.633
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/24/79	10	0.15	0.166	0.33	0.03	0.008	0.088	0.036	0.098	0.23	0.323
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-05/15/90	12	0.055	0.06	0.11	0.01	0.001	0.029	0.016	0.035	0.087	0.104
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-05/15/90	9	0.01	0.026	0.09	0.01	0.001	0.028	0.01	0.01	0.04	0.09
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-05/15/90	25	22.	23.64	49.	6.	140.99	11.874	10.4	15.5	29.	47.2
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-05/15/90	22	18.	18.591	27.	11.	14.348	3.788	14.3	16.	20.	25.7
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-05/15/90	9	6.	6.433	14.	2.	14.88	3.857	2.	3.35	9.1	14.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-05/15/90	16	28.15	27.75	31.	24.4	3.525	1.878	24.82	25.85	28.975	30.3
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/24/79	16	82.7	81.956	87.8	76.	11.468	3.386	76.7	78.475	84.15	86.54
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/24/79	13	45.	43.154	80.	19.	362.641	19.043	19.4	25.5	56.5	74.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-05/15/90	9	155.	166.778	250.	105.	1720.944	41.484	105.	145.	195.	250.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/24/79	11	161.	163.545	208.	131.	576.673	24.014	133.8	145.	174.	206.4
00300	OXYGEN, DISSOLVED MG/L	09/12/68-05/15/90	16	7.	6.794	8.2	5.3	0.893	0.945	5.37	5.75	7.575	7.92
00400	PH (STANDARD UNITS)	07/31/70-05/15/90	13	7.2	7.1	7.5	6.8	0.052	0.227	6.84	6.9	7.25	7.46
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-05/15/90	13	7.2	7.049	7.5	6.8	0.055	0.233	6.84	6.9	7.25	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-05/15/90	13	0.063	0.089	0.158	0.032	0.002	0.042	0.035	0.057	0.126	0.145
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/24/79	11	7.1	7.073	7.6	6.5	0.122	0.35	6.52	6.8	7.4	7.56
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/24/79	11	7.1	6.945	7.6	6.5	0.14	0.374	6.52	6.8	7.4	7.56
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/24/79	11	0.079	0.114	0.316	0.025	0.009	0.094	0.028	0.04	0.158	0.303
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-05/15/90	5	23.	23.8	27.	22.	4.7	2.168	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-05/15/90	6	24.5	27.5	57.	13.	247.1	15.719	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-05/15/90	6	5.	5.083	8.	1.5	5.242	2.289	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-05/15/90	6 ##	0.05	0.068	0.2	0.02	0.004	0.066	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-05/15/90	5	0.05	0.059	0.11	0.015	0.001	0.037	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/24/79	6	0.155	1.842	10.4	0.	17.585	4.193	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-05/15/90	6	0.06	0.615	3.4	0.04	1.862	1.364	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-05/15/90	5	0.01	0.308	1.5	0.01	0.444	0.666	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-05/15/90	11	18.	20.455	31.	14.	30.073	5.484	14.2	18.	22.	30.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-05/15/90	9	18.	17.667	33.	5.	53.25	7.297	5.	15.	19.5	33.
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	02/28/72-05/15/90	4	10.	9.75	15.	4.	30.917	5.56	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: BITH0038

NPS Station ID: BITH0038
 Location: NECHES R AT FM 1013 E OF SPURGER
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin: WESTERN GULF
 Minor Basin: NECHES RIVER
 RF1 Index: 12020003003
 RF3 Index: 12020003001600.00
 Description:

LAT/LON: 30.679170/ -94.090004

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 42.950
 RF3 Mile Point: 2.79

Agency: 21TEXWR
 FIPS State/County: 48241 TEXAS/JASPER
 STORET Station ID(s): 06020200 /0607 4
 Within Park Boundary: No

Date Created: 12/15/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.06

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	85	21.7	20.606	31.	6.1	46.097	6.789	10.6	14.1	27.	28.54
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	84	71.	68.931	87.8	43.	149.165	12.213	51.	57.3	80.45	83.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/05/73-09/20/77	22	5252.	7889.182	21000.	235.	38024512.442	6166.402	1590.4	3231.5	12857.	18740.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	66	50.	51.03	130.	8.	538.338	23.202	24.4	35.	60.	82.1
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/20/77-09/20/77	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/12/68-08/17/71	2	75.	75.	110.	40.	2450.	49.497	**	**	**	**
00081	COLOR, APPARENT (UNFILTERED SAMPLE) PLAT-COB UNITS	09/13/73-12/05/73	4	190.	227.5	415.	115.	17475.	132.193	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/28/72-09/20/77	39	150.	157.487	250.	98.	1245.256	35.288	105.	135.	190.	200.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	69	167.	170.464	278.	74.	1301.958	36.083	131.	146.	196.	208.
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	85	8.	7.818	11.	4.4	2.191	1.48	5.56	7.	8.9	9.74
00310	BOD, 5 DAY, 20 DEG C MG/L	09/12/68-06/11/73	46	1.5	1.717	5.	0.5	0.763	0.873	0.5	1.	2.125	2.5
00400	PH (STANDARD UNITS)	07/31/70-09/20/77	57	7.	7.03	8.2	6.3	0.117	0.342	6.68	6.8	7.2	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-09/20/77	57	7.	6.92	8.2	6.3	0.129	0.36	6.68	6.8	7.2	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-09/20/77	57	0.1	0.12	0.501	0.006	0.007	0.086	0.032	0.063	0.158	0.21
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	68	6.95	6.896	7.6	6.1	0.11	0.332	6.5	6.7	7.1	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	68	6.947	6.772	7.6	6.1	0.125	0.354	6.5	6.7	7.1	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	68	0.113	0.169	0.794	0.025	0.02	0.141	0.04	0.079	0.2	0.316
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	01/09/74-09/20/77	22	22.	21.864	33.	15.	13.933	3.733	18.	19.	23.25	26.4
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	02/25/75-09/20/77	10	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00500	RESIDUE, TOTAL (MG/L)	03/13/75-06/18/75	2	41.	41.	57.	25.	512.	22.627	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/28/72-09/20/77	27	23.	25.963	90.	10.	248.268	15.757	10.8	17.	29.	42.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	02/28/72-09/20/77	28	5.	5.821	16.	1.	15.448	3.93	1.45	2.25	8.75	10.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/72-09/20/77	29 ##	0.05	0.066	0.2	0.02	0.001	0.037	0.04	0.05	0.095	0.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/28/72-09/20/77	27	0.05	0.085	0.84	0.01	0.024	0.156	0.014	0.015	0.1	0.126
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/28/72-09/16/76	28	0.14	0.507	10.4	0.	3.764	1.94	0.03	0.093	0.188	0.267
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/13/73-09/16/76	22	0.03	0.237	4.6	0.015	0.95	0.975	0.015	0.015	0.033	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/28/72-09/20/77	29	0.046	0.163	3.399	0.01	0.388	0.623	0.026	0.035	0.061	0.085
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/73-09/20/77	23	0.01	0.077	1.503	0.01	0.097	0.311	0.01	0.01	0.01	0.026
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/14/74-09/20/77	17	10.	11.	19.	6.	12.25	3.5	6.8	8.5	13.5	16.6
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-09/16/76	66	22.5	23.621	49.	8.	67.593	8.221	14.7	18.	28.	33.6
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-09/16/76	60	17.	17.4	33.	5.	18.244	4.271	13.	15.	19.	22.9
01002	ARSENIC, TOTAL (UG/L AS AS)	07/31/70-08/03/77	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/03/77-08/03/77	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/70-08/03/77	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/77-08/03/77	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/03/77-08/03/77	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/77-08/03/77	1 ##	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/31/70-08/03/77	2 ##	30.	30.	50.	10.	800.	28.284	**	**	**	**

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Parameter Inventory for Station: BITH0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055 MANGANESE, TOTAL (UG/L AS MN)	08/03/77-08/03/77	1 ##	75.	75.	75.	75.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	08/03/77-08/03/77	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	08/03/77-08/03/77	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	08/03/77-08/03/77	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	08/03/77-08/03/77	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,35C	09/13/73-09/13/73	1	460.	460.	460.	460.	0.	0.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,	09/13/73-09/13/73	1	2.663	2.663	2.663	2.663	0.	0.	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED,M-ENDO MED,3	GEOMETRIC MEAN =			460.								
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	02/28/72-06/11/73	6	440.	432.167	890.	33.	92616.167	304.329	**	**	**	**
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	02/28/72-06/11/73	6	2.639	2.467	2.949	1.519	0.266	0.516	**	**	**	**
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			293.265								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-09/20/77	14	20.	140.464	1410.	0.5	137879.018	371.321	0.75	4.	70.	825.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/13/73-09/20/77	14	1.301	1.265	3.149	-0.301	0.855	0.924	-0.151	0.602	1.803	2.765
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.425								
31619 FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48HR	02/28/72-06/11/73	6	20.	34.667	120.	8.	1850.667	43.019	**	**	**	**
31619 LOG FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,4	02/28/72-06/11/73	6	1.239	1.323	2.079	0.903	0.201	0.448	**	**	**	**
31619 GM FECAL COLIFORM,MPN,BORIC ACID LACTOSE BR,43C,48	GEOMETRIC MEAN =			21.026								
31679 FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/27/72-09/27/72	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/27/72-09/27/72	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2.								
32222 CHLOROPHYLL A IN BOTTOM DEPOSITS (UG/KG DRY WGT)	09/16/76-09/20/77	2 ##	0.002	0.002	0.004	0.001	0.	0.002	**	**	**	**
32230 CHLOROPHYLL A (MG/L)	02/28/72-09/20/77	20	0.007	0.007	0.015	0.002	0.	0.004	0.002	0.004	0.011	0.014
70295 RESIDUE,TOTAL FILTRABLE (DRIED AT ANY TEMP),MG/L	02/28/72-09/16/76	38	74.	78.421	125.	49.	307.494	17.535	53.	67.25	91.25	100.5
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/20/77-09/20/77	1	120.	120.	120.	120.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/31/70-07/31/70	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: BITH0038

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	66	35	0.53	13	5	0.38	18	12	0.67	22	12	0.55	13	6	0.46
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	85	0	0.00	20	0	0.00	21	0	0.00	28	0	0.00	16	0	0.00
00400 PH	Other-Hi Lim.	9.	57	0	0.00	13	0	0.00	12	0	0.00	19	0	0.00	13	0	0.00
00403 PH, LAB	Other-Lo Lim.	6.5	57	3	0.05	13	1	0.08	12	2	0.17	19	0	0.00	13	0	0.00
	Other-Hi Lim.	9.	68	0	0.00	18	0	0.00	16	0	0.00	23	0	0.00	11	0	0.00
	Other-Lo Lim.	6.5	68	13	0.19	18	2	0.11	16	2	0.13	23	8	0.35	11	1	0.09
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	27	0	0.00	6	0	0.00	6	0	0.00	10	0	0.00	5	0	0.00
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	66	0	0.00	15	0	0.00	17	0	0.00	23	0	0.00	11	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	60	0	0.00	15	0	0.00	16	0	0.00	20	0	0.00	9	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00										2	0	0.00
	Drinking Water	50.	2	0	0.00										2	0	0.00
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00										1	0	0.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00										1	1	1.00
	Drinking Water	5.	1 &	1	1.00										1	1	1.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00										1	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
	Drinking Water	1300.	1	0	0.00										1	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00										2	0	0.00
	Drinking Water	5.	1 &	1	1.00										1	1	1.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00										1	0	0.00
	Drinking Water	100.	1	0	0.00										1	0	0.00
01077 SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
	Drinking Water	50.	1	0	0.00										1	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00										1	0	0.00
	Drinking Water	50.	1	0	0.00										1	0	0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: BITH0038

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim. 200.	14	2	0.14	5	0	0.00	3	2	0.67	3	0	0.00	3	0	0.00
71900	MERCURY, TOTAL	Fresh Acute 2.4	1	0	0.00										1	0	0.00
		Drinking Water 2.	1	0	0.00										1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	4	17.1	17.8	27.	10.	54.427	7.377	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	4	62.8	64.05	80.6	50.	176.17	13.273	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	4	56.	54.75	68.	39.	152.917	12.366	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	4	202.	199.5	232.	162.	835.667	28.908	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	4	7.8	7.8	8.4	7.2	0.267	0.516	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	4	7.15	7.1	7.4	6.7	0.1	0.316	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	4	7.125	7.012	7.4	6.7	0.11	0.332	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	4	0.075	0.097	0.2	0.04	0.005	0.073	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	10	23.75	22.04	31.	10.	56.538	7.519	10.2	14.25	28.925	30.8
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	10	74.75	71.67	87.8	50.	183.129	13.533	50.36	57.65	84.05	87.44
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	5	35.	43.2	70.	22.	429.7	20.729	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	10	162.5	149.9	192.	74.	1282.544	35.813	77.8	121.	174.5	190.4
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	10	7.35	7.22	9.4	4.8	2.546	1.596	4.87	5.575	8.625	9.36
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	10	6.65	6.68	7.3	6.1	0.146	0.382	6.11	6.425	7.025	7.28
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	10	6.647	6.538	7.3	6.1	0.169	0.411	6.11	6.425	7.025	7.28
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	10	0.225	0.29	0.794	0.05	0.06	0.244	0.053	0.095	0.395	0.778

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	12	22.5	19.492	30.	6.1	66.932	8.181	6.94	12.8	26.5	29.67
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	12	72.5	67.083	86.	43.	217.174	14.737	44.5	55.	79.75	85.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	2	46.	46.	50.	42.	32.	5.657	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	12	180.	180.083	208.	158.	281.538	16.779	158.6	164.75	191.75	205.9
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	12	6.8	6.975	10.	5.	2.5	1.581	5.12	5.725	8.15	9.82
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	12	6.75	6.792	7.2	6.4	0.081	0.284	6.43	6.525	7.075	7.2
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	12	6.747	6.713	7.2	6.4	0.088	0.296	6.43	6.525	7.075	7.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	12	0.179	0.194	0.398	0.063	0.013	0.113	0.063	0.085	0.3	0.374

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	13	22.2	19.185	28.3	8.3	46.206	6.798	9.22	12.5	24.7	28.1
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	13	72.	66.538	83.	47.	149.936	12.245	48.6	54.5	76.5	82.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	11	40.	43.909	87.	8.	544.291	23.33	11.6	30.	58.	85.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	13	205.	212.615	278.	136.	1224.756	34.997	160.	197.	242.	267.6
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	13	8.1	7.854	9.7	4.4	2.146	1.465	5.04	7.	9.	9.5
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	13	6.8	6.869	7.4	6.5	0.077	0.278	6.5	6.7	7.	7.36
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	13	6.8	6.796	7.4	6.5	0.083	0.288	6.5	6.7	7.	7.36
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	13	0.158	0.16	0.316	0.04	0.008	0.089	0.044	0.1	0.2	0.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	12	21.7	20.158	26.7	10.	32.81	5.728	10.18	16.525	25.3	26.37
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	12	71.	68.25	80.	50.	106.205	10.306	50.3	61.75	77.5	79.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	11	65.	71.	123.	40.	595.	24.393	41.	53.	92.	117.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	5	176.	166.2	187.	133.	474.7	21.788	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	12	8.3	8.408	11.	4.4	2.703	1.644	5.33	7.725	9.525	10.73
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	5	7.	7.04	7.4	6.8	0.048	0.219	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	5	7.	7.001	7.4	6.8	0.05	0.223	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	5	0.1	0.1	0.158	0.04	0.002	0.042	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	12	23.35	21.567	28.9	8.9	49.297	7.021	9.56	15.65	27.8	28.72
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	12	74.	70.808	84.	48.	159.859	12.644	49.2	60.125	82.	83.7
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	12	45.5	47.25	130.	19.	889.659	29.827	19.3	23.5	55.75	108.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	4	160.	157.5	170.	140.	225.	15.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	12	7.75	7.492	9.	5.3	1.854	1.361	5.36	6.275	8.675	9.
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	4	6.9	6.975	7.6	6.5	0.216	0.465	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	4	6.889	6.824	7.6	6.5	0.246	0.496	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	4	0.129	0.15	0.316	0.025	0.015	0.124	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	11	25.	21.873	29.4	12.2	44.836	6.696	12.54	15.5	28.3	29.4
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	11	77.	71.4	85.	54.	145.67	12.069	54.6	59.9	83.	85.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	11	38.	44.455	90.	30.	286.473	16.926	30.	35.	50.	82.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	10	145.	140.4	153.	105.	176.489	13.285	108.3	138.	147.25	152.5
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	11	8.3	8.391	10.1	7.	1.529	1.236	7.02	7.2	9.8	10.06
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	10	7.15	7.14	7.6	6.5	0.094	0.306	6.54	6.975	7.4	7.58
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	10	7.147	7.031	7.6	6.5	0.107	0.327	6.54	6.975	7.4	7.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	10	0.071	0.093	0.316	0.025	0.007	0.084	0.027	0.04	0.106	0.297

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	7	15.	19.	28.2	12.8	45.68	6.759	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	7	59.	66.2	82.8	55.	148.373	12.181	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	7	52.	48.	70.	19.	355.	18.841	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	7	131.	141.714	185.	119.	520.571	22.816	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	7	9.5	8.714	10.2	6.6	2.331	1.527	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	6	6.9	6.883	7.	6.7	0.014	0.117	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	6	6.9	6.87	7.	6.7	0.014	0.118	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	6	0.126	0.135	0.2	0.1	0.001	0.038	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	3	26.6	24.767	27.7	20.	17.343	4.165	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	3	79.9	76.6	81.9	68.	56.47	7.515	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	3	61.	61.667	72.	52.	100.333	10.017	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	3	150.	166.	200.	148.	868.	29.462	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	3	7.5	7.767	8.5	7.3	0.413	0.643	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	3	7.	6.867	7.3	6.3	0.263	0.513	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	3	7.	6.663	7.3	6.3	0.325	0.57	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	3	0.1	0.217	0.501	0.05	0.061	0.247	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	1	185.	185.	185.	185.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	20	27.	25.45	29.4	12.8	15.331	3.915	20.22	23.9	27.95	28.84
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	19	80.6	77.574	85.	55.	51.351	7.166	68.	75.	82.	84.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	13	40.	41.769	68.	8.	279.526	16.719	14.8	28.5	56.	64.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	18	174.5	175.111	232.	131.	748.81	27.364	139.1	152.25	196.5	210.4
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	20	7.5	7.395	10.	5.5	1.096	1.047	5.82	6.7	8.075	8.3
00400	PH (STANDARD UNITS)	07/31/70-09/20/77	13	7.	7.008	7.5	6.5	0.106	0.325	6.58	6.7	7.3	7.46
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-09/20/77	13	7.	6.902	7.5	6.5	0.118	0.343	6.58	6.7	7.3	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-09/20/77	13	0.1	0.125	0.316	0.032	0.008	0.087	0.035	0.05	0.2	0.27
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	18	7.	6.994	7.6	6.3	0.097	0.311	6.48	6.8	7.15	7.42
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	18	7.	6.884	7.6	6.3	0.11	0.332	6.48	6.8	7.15	7.42
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	18	0.1	0.131	0.501	0.025	0.013	0.113	0.038	0.072	0.158	0.335
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-09/16/76	15	23.	23.933	33.	15.	30.638	5.535	16.2	20.	28.	33.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-09/16/76	15	15.	16.133	23.	12.	9.981	3.159	12.6	14.	17.	22.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	21	12.8	13.719	26.1	6.1	20.447	4.522	9.12	10.3	15.8	20.52
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	21	55.	56.686	79.	43.	66.361	8.146	48.4	50.5	60.45	68.96
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	18	55.	59.	130.	30.	600.706	24.509	30.9	41.25	70.	94.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	17	164.	166.647	234.	105.	1033.743	32.152	116.2	144.	189.5	207.6
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	21	8.6	8.305	11.	4.4	2.864	1.692	5.14	7.35	9.5	10.1
00400	PH (STANDARD UNITS)	07/31/70-09/20/77	12	7.	6.95	7.5	6.3	0.146	0.383	6.36	6.65	7.3	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-09/20/77	12	7.	6.803	7.5	6.3	0.17	0.412	6.36	6.65	7.3	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-09/20/77	12	0.1	0.157	0.501	0.032	0.019	0.138	0.032	0.055	0.228	0.446
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	16	6.7	6.869	7.4	6.5	0.084	0.289	6.5	6.7	7.15	7.33
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	16	6.7	6.79	7.4	6.5	0.09	0.3	6.5	6.7	7.15	7.33
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	16	0.2	0.162	0.316	0.04	0.008	0.09	0.047	0.072	0.2	0.316
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-09/16/76	17	24.	23.647	36.	14.	38.368	6.194	15.6	17.5	27.5	32.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-09/16/76	16	17.	16.938	24.	11.	10.996	3.316	12.4	14.25	19.	21.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	28	19.15	18.229	26.1	8.3	25.144	5.014	11.69	13.925	22.3	24.49
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	28	66.5	64.807	79.	47.	81.418	9.023	53.04	57.05	72.125	76.15
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	22	52.	54.636	123.	19.	653.481	25.563	23.9	35.	70.5	92.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	23	170.	172.957	278.	74.	2372.316	48.706	116.8	138.	201.	251.2
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	28	8.65	8.339	10.2	4.4	2.206	1.485	6.24	7.325	9.375	9.92
00400	PH (STANDARD UNITS)	07/31/70-09/20/77	19	7.	7.047	8.2	6.6	0.162	0.402	6.7	6.8	7.	8.
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-09/20/77	19	7.	6.941	8.2	6.6	0.174	0.417	6.7	6.8	7.	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-09/20/77	19	0.1	0.115	0.251	0.006	0.004	0.059	0.01	0.1	0.158	0.2
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	23	6.8	6.752	7.3	6.1	0.102	0.319	6.28	6.5	7.	7.16
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	23	6.8	6.638	7.3	6.1	0.115	0.34	6.28	6.5	7.	7.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	23	0.158	0.23	0.794	0.05	0.034	0.185	0.07	0.1	0.316	0.538
00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/68-09/16/76	23	22.	24.913	49.	8.	131.81	11.481	13.	17.	30.	47.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-09/16/76	20	18.	18.6	27.	11.	15.2	3.899	14.1	16.	20.	25.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/68-09/20/77	16	28.15	27.75	31.	24.4	3.525	1.878	24.82	25.85	28.975	30.3
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/12/68-09/16/76	16	82.7	81.956	87.8	76.	11.468	3.386	76.7	78.475	84.15	86.54
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/12/68-09/16/76	13	45.	43.154	80.	19.	362.641	19.043	19.4	25.5	56.5	74.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/68-09/20/77	11	161.	163.545	208.	131.	576.673	24.014	133.8	145.	174.	206.4
00300	OXYGEN, DISSOLVED MG/L	09/12/68-09/20/77	16	7.	6.794	8.2	5.3	0.893	0.945	5.37	5.75	7.575	7.92
00400	PH (STANDARD UNITS)	07/31/70-09/20/77	13	7.2	7.1	7.5	6.8	0.052	0.227	6.84	6.9	7.25	7.46
00400	CONVERTED PH (STANDARD UNITS)	07/31/70-09/20/77	13	7.2	7.049	7.5	6.8	0.055	0.233	6.84	6.9	7.25	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/70-09/20/77	13	0.063	0.089	0.158	0.032	0.002	0.042	0.035	0.057	0.126	0.145
00403	PH, LAB, STANDARD UNITS SU	09/12/68-09/20/77	11	7.1	7.073	7.6	6.5	0.122	0.35	6.52	6.8	7.4	7.56
00403	CONVERTED PH, LAB, STANDARD UNITS	09/12/68-09/20/77	11	7.1	6.945	7.6	6.5	0.14	0.374	6.52	6.8	7.4	7.56
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/68-09/20/77	11	0.079	0.114	0.316	0.025	0.009	0.094	0.028	0.04	0.158	0.303
00940	CHLORIDE, TOTAL IN WATER MG/L	09/12/68-09/16/76	11	18.	20.455	31.	14.	30.073	5.484	14.2	18.	22.	30.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/12/68-09/16/76	9	18.	17.667	33.	5.	53.25	7.297	5.	15.	19.5	33.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: BITH0039

NPS Station ID: BITH0039
 Location: BEECH CREEK W SPURGER
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin:
 Minor Basin: Neches River Basin
 RF1 Index: 12020003
 RF3 Index: 12030202002201.13
 Description:
 BEECH CREEK AT FM 1013 W OF SPURGER

LAT/LON: 30.694170/ -94.190281

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 1.12

Agency: 21TXWQB
 FIPS State/County: 48457 TEXAS/TYLER
 STORET Station ID(s): 10529 /0600.2100 /608.0
 Within Park Boundary: No

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 35M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0039

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/89-09/13/89	24	26.05	25.979	26.8	25.	0.382	0.618	25.05	25.425	26.65	26.75
00061 FLOW, STREAM, INSTANTANEOUS CFS	09/13/89-09/13/89	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/12/89-09/13/89	24	50.	52.5	60.	50.	19.565	4.423	50.	50.	57.5	60.
00300 OXYGEN, DISSOLVED MG/L	09/12/89-09/13/89	24	6.	6.017	6.4	5.9	0.014	0.117	5.9	5.925	6.	6.2
00307 BOD, NITROGEN INHIB., DISS., 5 DAY, 20 DEG C MG/L	09/13/89-09/13/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00314 BOD, NITROGEN INHIB., TOTAL, 5 DAY, 20 DEG C MG/L	09/13/89-09/13/89	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	09/12/89-09/13/89	24	5.36	5.358	5.42	5.29	0.002	0.042	5.31	5.32	5.4	5.415
00400 CONVERTED PH (STANDARD UNITS)	09/12/89-09/13/89	24	5.36	5.356	5.42	5.29	0.002	0.042	5.31	5.32	5.4	5.415
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/89-09/13/89	24	4.366	4.402	5.129	3.802	0.18	0.424	3.846	3.981	4.786	4.898
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	09/13/89-09/13/89	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/13/89-09/13/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/13/89-09/13/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/13/89-09/13/89	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/13/89-09/13/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/13/89-09/13/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/13/89-09/13/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/89-09/13/89	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/89-09/13/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	09/13/89-09/13/89	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/13/89-09/13/89	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/89-09/13/89	1	110.	110.	110.	110.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/89-09/13/89	1	2.041	2.041	2.041	2.041	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/13/89-09/13/89	1	110.	110.	110.	110.	0.	0.	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/13/89-09/13/89	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/13/89-09/13/89	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	09/13/89-09/13/89	1	49.	49.	49.	49.	0.	0.	**	**	**	**
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/13/89-09/13/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0039

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED																
00400	PH																
	Fresh Acute	4.	24	0	0.00	24	0	0.00									
	Other-Hi Lim.	9.	24	0	0.00	24	0	0.00									
	Other-Lo Lim.	6.5	24	24	1.00	24	24	1.00									
00615	NITRITE NITROGEN, TOTAL AS N																
	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N																
	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE, TOTAL IN WATER																
	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)																
	Drinking Water	400.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH																
	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB																
	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0040

NPS Station ID: BITH0040
 Location: NECHES RIVER NEAR TOWN BLUFF, TX
 Station Type: /TYP/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin:
 Minor Basin:
 RF1 Index: 12020003
 RF3 Index: 12020006015406.02
 Description:

LAT/LON: 30.790837/ -94.150838

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 6.79

Agency: 112WRD
 FIPS State/County: 48457 TEXAS/TYLER
 STORET Station ID(s): 08040600
 Within Park Boundary: Yes

Date Created: 10/05/91

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.27

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/13/90-08/29/91	6	21.75	20.75	27.5	12.5	43.975	6.631	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	12/13/90-08/29/91	6	8600.	10226.667	17400.	2380.	34572466.667	5879.836	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/13/90-08/29/91	6	128.	120.167	142.	92.	480.967	21.931	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	12/13/90-08/29/91	6	8.5	9.	12.5	6.4	4.9	2.214	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	12/13/90-08/29/91	6	0.95	1.05	1.7	0.7	0.151	0.389	**	**	**	**
00400 PH (STANDARD UNITS)	12/13/90-08/29/91	6	6.9	6.95	7.5	6.3	0.203	0.451	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	12/13/90-08/29/91	6	6.889	6.765	7.5	6.3	0.244	0.494	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/13/90-08/29/91	6	0.129	0.172	0.501	0.032	0.03	0.174	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	12/13/90-08/29/91	6	7.3	7.25	7.6	6.9	0.067	0.259	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	12/13/90-08/29/91	6	7.3	7.186	7.6	6.9	0.072	0.268	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/13/90-08/29/91	6	0.05	0.065	0.126	0.025	0.002	0.039	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	12/13/90-08/29/91	6	17.5	17.833	21.	15.	6.167	2.483	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/13/90-08/29/91	6	0.035	0.062	0.18	0.02	0.004	0.06	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	12/13/90-08/29/91	6	0.025	0.025	0.04	0.01	0.	0.014	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/13/90-08/29/91	6	0.5	0.567	1.1	0.3	0.079	0.28	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/13/90-08/29/91	6 ##	0.05	0.065	0.13	0.025	0.002	0.044	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	12/13/90-08/29/91	6	0.065	0.068	0.11	0.03	0.001	0.035	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	12/13/90-08/29/91	6	6.8	6.8	8.1	5.8	0.672	0.82	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	12/13/90-08/29/91	6	2.85	2.633	3.1	2.	0.215	0.463	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS Na)	12/13/90-08/29/91	6	12.5	11.633	14.	8.1	7.659	2.767	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	12/13/90-08/29/91	6	2.7	2.767	3.4	2.5	0.111	0.333	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	12/13/90-08/29/91	6	15.	14.667	22.	9.	23.067	4.803	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	12/13/90-08/29/91	6	17.	16.167	19.	12.	7.367	2.714	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	12/13/90-08/29/91	6 ##	0.05	0.083	0.2	0.05	0.004	0.061	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO2)	12/13/90-08/29/91	6	8.7	9.883	14.	8.4	5.022	2.241	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)	12/13/90-08/29/91	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01005 BARIUM, DISSOLVED (UG/L AS Ba)	12/13/90-08/29/91	2	42.5	42.5	43.	42.	0.5	0.707	**	**	**	**
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	12/13/90-08/29/91	2 ##	0.475	0.475	0.7	0.25	0.101	0.318	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS Cd)	12/13/90-08/29/91	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	12/13/90-08/29/91	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01035 COBALT, DISSOLVED (UG/L AS CO)	12/13/90-08/29/91	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	12/13/90-08/29/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	12/13/90-08/29/91	2	330.	330.	390.	270.	7200.	84.853	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS Pb)	12/13/90-08/29/91	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	12/13/90-08/29/91	2	53.5	53.5	95.	12.	3444.5	58.69	**	**	**	**
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/13/90-08/29/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	12/13/90-08/29/91	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01075 SILVER, DISSOLVED (UG/L AS AG)	12/13/90-08/29/91	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: BITH0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/13/90-08/29/91	2	70.	70.	76.	64.	72.	8.485	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	12/13/90-08/29/91	2 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/13/90-08/29/91	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/13/90-08/29/91	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/13/90-08/29/91	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
39036	ALKALINITY, FILTERED SAMPLE AS CaCO3 MG/L	12/13/90-08/29/91	6	17.5	17.833	21.	15.	6.167	2.483	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/13/90-08/29/91	6	0.025	0.028	0.06	0.005	0.001	0.023	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/13/90-08/29/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0040

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	4.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
00400	PH	9.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Other-Hi Lim.	6.5	6	1	0.17	1	1	1.00	1	0	0.00	3	0	0.00	1	0	0.00
00403	PH, LAB	9.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Other-Lo Lim.	6.5	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	1.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	10.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
00940	CHLORIDE, TOTAL IN WATER	860.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	400.	6	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01000	ARSENIC, DISSOLVED	360.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Fresh Acute	50.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	130.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01010	BERYLLIUM, DISSOLVED	3.9	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01025	CADMIUM, DISSOLVED	5.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01030	CHROMIUM, DISSOLVED	18.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01040	COPPER, DISSOLVED	1300.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Drinking Water	82.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01049	LEAD, DISSOLVED	5.	1 &	1	1.00	1	1	1.00	1	1	1.00	3	0	0.00	1	0	0.00
	Drinking Water	1400.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01065	NICKEL, DISSOLVED	100.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Fresh Acute	4.1	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01075	SILVER, DISSOLVED	50.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Drinking Water	120.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01090	ZINC, DISSOLVED	20.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
01145	SELENIUM, DISSOLVED	50.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Drinking Water	2.4	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
71890	MERCURY, DISSOLVED	2.	2	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00
	Drinking Water																

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: BITH0041

NPS Station ID: BITH0041
 Location: B. A. STEINHAGEN RESERVOIR NEAR DAM
 Station Type: /RESERV/TYPA/AMBNT
 RMI-Indexes:
 RMI-Miles:
 HUC: 12020003
 Major Basin:
 Minor Basin: Neches River Basin
 RF1 Index: 12020003
 RF3 Index: 12030202002201.13
 Description:
 B. A. STEINHAGEN RESERVOIR NEAR DAM

LAT/LON: 30.806948/ -94.179170

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 1.12

Agency: 21TXWQB
 FIPS State/County: 48241 TEXAS/JASPER
 STORET Station ID(s): 10582 /0603.0050 /603.500
 Within Park Boundary: No

Date Created: 07/23/94

Aquifer:
 Water Body Id:
 ECO Region: 35M
 Distance from RF1: 0.00
 Distance from RF3: 0.14

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: BITH0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/79-04/27/93	58	25.15	24.36	32.1	10.	26.223	5.121	15.75	20.975	28.175	29.3
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/24/79-05/29/85	29	75.	71.062	82.	50.	82.01	9.056	59.5	60.5	76.	82.
00062	ELEVATION, RESERVOIR SURFACE WATER IN FEET	09/24/79-08/18/88	11	82.4	82.218	83.2	79.9	0.828	0.91	80.26	81.9	82.8	83.18
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/24/79-08/18/88	12	17.	18.25	9.2	8.	41.114	6.412	9.2	13.25	25.75	27.
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/21/89-04/27/93	4	0.445	0.475	0.6	0.41	0.007	0.085	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/24/79-04/27/93	60	143.5	140.417	221.	80.	1460.145	38.212	84.	111.	165.	190.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/24/79-08/24/87	11	160.	148.091	191.	79.	1137.691	33.73	85.2	120.	165.	190.4
00300	OXYGEN, DISSOLVED MG/L	09/24/79-04/27/93	61	6.6	6.697	10.1	2.4	2.448	1.565	4.84	5.85	7.65	9.16
00400	PH (STANDARD UNITS)	09/24/79-04/27/93	46	6.85	6.793	7.6	5.9	0.244	0.494	6.17	6.3	7.3	7.4
00400	CONVERTED PH (STANDARD UNITS)	09/24/79-04/27/93	46	6.847	6.537	7.6	5.9	0.311	0.557	6.17	6.3	7.3	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/79-04/27/93	46	0.142	0.29	1.259	0.025	0.101	0.317	0.04	0.05	0.501	0.68
00403	PH, LAB, STANDARD UNITS SU	09/24/79-08/24/87	11	7.	7.	7.8	6.2	0.22	0.469	6.24	6.7	7.3	7.74
00403	CONVERTED PH, LAB, STANDARD UNITS	09/24/79-08/24/87	11	7.	6.778	7.8	6.2	0.274	0.524	6.24	6.7	7.3	7.74
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/79-08/24/87	11	0.1	0.167	0.631	0.016	0.035	0.188	0.019	0.05	0.2	0.584
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/24/79-04/27/93	16	17.5	17.313	24.	13.	7.563	2.75	13.7	15.25	18.	21.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/24/79-04/27/93	16	14.	15.375	28.	2.	66.783	8.172	4.8	10.	24.	27.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/24/79-04/27/93	16	4.	3.594	8.	0.5	5.007	2.238	0.5	1.625	5.	7.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/24/79-04/27/93	16	0.02	0.02	0.05	0.005	0.	0.015	0.005	0.005	0.03	0.043
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/89-04/27/93	3	0.01	0.015	0.03	0.005	0.	0.013	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/24/79-04/27/93	15 ##	0.05	0.052	0.15	0.005	0.002	0.043	0.005	0.01	0.05	0.144
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/12/90-04/27/93	2	0.665	0.665	0.9	0.43	0.11	0.332	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/24/87-08/24/87	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/24/79-05/29/85	9	0.15	0.152	0.28	0.03	0.006	0.076	0.03	0.095	0.21	0.28
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	09/24/79-05/29/85	9	0.03	0.039	0.11	0.015	0.001	0.032	0.015	0.015	0.06	0.11
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/24/79-06/20/91	15	0.06	0.061	0.14	0.01	0.001	0.034	0.016	0.03	0.09	0.116
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/24/79-04/27/93	15	0.02	0.021	0.06	0.	0.	0.019	0.003	0.005	0.04	0.054
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/24/79-04/27/93	15	8.	8.8	14.	5.	10.6	3.256	5.	6.	12.	14.
00940	CHLORIDE, TOTAL IN WATER MG/L	09/24/79-04/27/93	16	14.5	15.5	25.	7.	32.533	5.704	7.7	10.5	20.25	24.3
00945	SULFATE, TOTAL (MG/L AS SO4)	09/24/79-04/27/93	15	18.	16.933	23.	6.	21.495	4.636	8.4	15.	20.	22.4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/24/79-04/27/93	15	10.	56.3	520.	1.	17255.564	131.36	1.3	3.	50.	270.4
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/24/79-04/27/93	15	1.	1.107	2.716	0.	0.578	0.76	0.106	0.477	1.699	2.297
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			12.785								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/24/79-04/27/93	12	6.	6.3	12.	0.5	12.598	3.549	0.77	3.45	9.75	11.4
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/24/79-04/27/93	12	3.	2.52	7.6	0.	4.294	2.072	0.15	0.625	3.225	6.49

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: BITH0041

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	4.	61	2	0.03	17	2	0.12	5	0	0.00	14	0	0.00	25	0	0.00
00400	PH																
	Other-Hi Lim.	9.	46	0	0.00	14	0	0.00	1	0	0.00	9	0	0.00	22	0	0.00
	Other-Lo Lim.	6.5	46	15	0.33	14	5	0.36	1	0	0.00	9	3	0.33	22	7	0.32
00403	PH, LAB	9.	11	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00
	Other-Hi Lim.	9.	11	0	0.00	3	0	0.00	2	0	0.00	3	1	0.33	3	1	0.33
	Other-Lo Lim.	6.5	11	2	0.18	3	0	0.00	2	0	0.00	3	1	0.33	3	1	0.33
00615	NITRITE NITROGEN, TOTAL AS N	1.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N																
	Drinking Water	10.	15	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	10.	1	0	0.00	1	0	0.00									
	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE, TOTAL IN WATER																
	Fresh Acute	860.	16	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00
00945	SULFATE, TOTAL (AS SO4)																
	Drinking Water	400.	15	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH																
	Other-Hi Lim.	200.	15	1	0.07	4	0	0.00	2	1	0.50	4	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 8/15 to 10/31 - Station BITH0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/79-04/27/93	17	28.	27.476	32.1	23.	8.327	2.886	23.	24.	29.25	31.22
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/24/79-04/27/93	17	146.	141.353	190.	80.	1755.618	41.9	80.	90.	178.5	190.
00300	OXYGEN, DISSOLVED MG/L	09/24/79-04/27/93	17	5.9	5.794	7.8	2.4	1.968	1.403	3.2	5.1	6.95	7.56
00400	PH (STANDARD UNITS)	09/24/79-04/27/93	14	6.95	6.75	7.6	5.9	0.363	0.602	5.9	6.075	7.15	7.6
00400	CONVERTED PH (STANDARD UNITS)	09/24/79-04/27/93	14	6.947	6.4	7.6	5.9	0.495	0.703	5.9	6.075	7.15	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/79-04/27/93	14	0.113	0.398	1.259	0.025	0.224	0.473	0.025	0.072	0.846	1.259

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 1/31 - Station BITH0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/79-04/27/93	5	15.9	14.78	16.1	10.	7.157	2.675	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/24/79-04/27/93	5	118.	112.4	122.	88.	194.8	13.957	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/24/79-04/27/93	5	6.6	7.26	10.1	6.4	2.533	1.592	**	**	**	**
00400	PH (STANDARD UNITS)	09/24/79-04/27/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/24/79-04/27/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/79-04/27/93	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 2/01 to 5/31 - Station BITH0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/79-04/27/93	12	19.7	19.333	26.4	13.7	15.793	3.974	14.18	15.3	20.975	26.13
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/24/79-04/27/93	13	144.	165.308	221.	142.	1072.564	32.75	142.	143.	192.	221.
00300	OXYGEN, DISSOLVED MG/L	09/24/79-04/27/93	14	8.8	8.7	9.7	6.6	0.569	0.754	7.2	8.575	9.2	9.45
00400	PH (STANDARD UNITS)	09/24/79-04/27/93	9	7.3	6.978	7.4	6.2	0.314	0.561	6.2	6.25	7.4	7.4
00400	CONVERTED PH (STANDARD UNITS)	09/24/79-04/27/93	9	7.3	6.646	7.4	6.2	0.438	0.662	6.2	6.25	7.4	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/79-04/27/93	9	0.05	0.226	0.631	0.04	0.075	0.274	0.04	0.04	0.566	0.631

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 8/14 - Station BITH0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/79-04/27/93	24	27.6	26.662	29.9	23.6	4.552	2.134	23.95	24.1	28.4	28.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/24/79-04/27/93	25	156.	132.44	180.	84.	1284.34	35.838	84.	97.	165.	172.
00300	OXYGEN, DISSOLVED MG/L	09/24/79-04/27/93	25	6.1	6.076	7.4	4.6	0.692	0.832	4.7	5.5	6.7	7.08
00400	PH (STANDARD UNITS)	09/24/79-04/27/93	22	6.7	6.741	7.5	6.2	0.159	0.398	6.3	6.3	7.025	7.37
00400	CONVERTED PH (STANDARD UNITS)	09/24/79-04/27/93	22	6.7	6.594	7.5	6.2	0.181	0.426	6.3	6.3	7.025	7.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/79-04/27/93	22	0.2	0.255	0.631	0.032	0.036	0.19	0.043	0.095	0.501	0.501

EPA Water Quality Criteria Analysis for Entire BITH Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	399	218	0.55	87	27	0.31	93	64	0.69	139	84	0.60	80	43	0.54
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	148	5	0.03	18	0	0.00	39	3	0.08	60	2	0.03	31	0	0.00
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1321	120	0.09	364	57	0.16	272	9	0.03	419	17	0.04	266	37	0.14
00400	PH	Other-Hi Lim.	9.	1359	0	0.00	372	0	0.00	287	0	0.00	423	0	0.00	277	0	0.00
00403	PH, LAB	Other-Lo Lim.	6.5	1359	372	0.27	372	81	0.22	287	97	0.34	423	123	0.29	277	71	0.26
		Other-Hi Lim.	9.	477	0	0.00	104	0	0.00	112	0	0.00	167	0	0.00	94	0	0.00
		Other-Lo Lim.	6.5	477	80	0.17	104	10	0.10	112	19	0.17	167	36	0.22	94	15	0.16
		Drinking Water	1.	85	0	0.00	6	0	0.00	24	0	0.00	35	0	0.00	20	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	220	0	0.00	49	0	0.00	43	0	0.00	85	0	0.00	43	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	1	0	0.00	3	0	0.00	6	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	522	0	0.00	126	0	0.00	117	0	0.00	179	0	0.00	100	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	229	0	0.00	53	0	0.00	54	0	0.00	81	0	0.00	41	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	145	0	0.00	17	0	0.00	37	0	0.00	58	0	0.00	33	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Fresh Acute	0.022	2	0	0.00	2	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	860.	939	4	0.00	199	0	0.00	222	3	0.01	333	0	0.00	185	1	0.01
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	48	0	0.00	9	0	0.00	15	0	0.00	12	0	0.00	12	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Drinking Water	400.	913	2	0.00	197	0	0.00	220	1	0.00	318	0	0.00	178	1	0.01
00945	SULFATE, TOTAL (AS SO4)	Fresh Acute	360.	115	0	0.00	28	0	0.00	23	0	0.00	36	0	0.00	28	0	0.00
01000	ARSENIC, DISSOLVED	Drinking Water	50.	115	0	0.00	28	0	0.00	23	0	0.00	36	0	0.00	28	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	12	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	50.	12	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	97	0	0.00	17	0	0.00	20	0	0.00	32	0	0.00	28	0	0.00
		Drinking Water	50.	97	0	0.00	17	0	0.00	20	0	0.00	32	0	0.00	28	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	101	0	0.00	17	0	0.00	25	0	0.00	32	0	0.00	27	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	13	0	0.00	3	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	25	0	0.00	4	0	0.00	5	0	0.00	8	0	0.00	8	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	72	0	0.00	13	0	0.00	17	0	0.00	22	0	0.00	20	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	115	1	0.01	28	0	0.00	23	1	0.04	36	0	0.00	28	0	0.00
01026	CADMIUM, SUSPENDED	Drinking Water	5.	115	1	0.01	28	0	0.00	23	1	0.04	36	0	0.00	28	0	0.00
		Fresh Acute	3.9	8 &	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	5.	8 &	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	35 &	8	0.23	5	2	0.40	8	0	0.00	14	2	0.14	8	4	0.50
		Drinking Water	5.	35 &	8	0.23	5	2	0.40	8	0	0.00	14	2	0.14	8	4	0.50
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	114	0	0.00	27	0	0.00	23	0	0.00	36	0	0.00	28	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	11	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	97	1	0.01	18	0	0.00	20	0	0.00	33	0	0.00	26	1	0.04
01040	COPPER, DISSOLVED	Fresh Acute	18.	115	0	0.00	28	0	0.00	23	0	0.00	36	0	0.00	28	0	0.00
		Drinking Water	1300.	115	0	0.00	28	0	0.00	23	0	0.00	36	0	0.00	28	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	15	0	0.00	3	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00
		Drinking Water	1300.	15	0	0.00	3	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	45 &	4	0.09	7	2	0.29	8	0	0.00	13	0	0.00	17	2	0.12
		Drinking Water	1300.	47	0	0.00	7	0	0.00	8	0	0.00	15	0	0.00	17	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	113	0	0.00	28	0	0.00	23	0	0.00	34	0	0.00	28	0	0.00
		Drinking Water	5.	110 &	12	0.11	27	1	0.04	23	5	0.22	32	1	0.03	28	5	0.18
01050	LEAD, SUSPENDED	Fresh Acute	82.	14	1	0.07	3	0	0.00	4	0	0.00	6	1	0.17	1	0	0.00
		Drinking Water	5.	13 &	4	0.31	2	0	0.00	4	1	0.25	6	3	0.50	1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	93 &	2	0.02	15	2	0.13	20	0	0.00	30	0	0.00	28	0	0.00
		Drinking Water	5.	31 &	16	0.52	5	2	0.40	8	2	0.25	11	6	0.55	7	6	0.86
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	114	0	0.00	25	0	0.00	24	0	0.00	34	0	0.00	31	0	0.00
		Drinking Water	100.	114	0	0.00	25	0	0.00	24	0	0.00	34	0	0.00	31	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	8	0	0.00												
		Drinking Water	100.	8	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	37	0	0.00	4	0	0.00	5	0	0.00	12	0	0.00	16	0	0.00
		Drinking Water	100.	37	1	0.03	4	0	0.00	5	0	0.00	12	0	0.00	16	1	0.06
01075	SILVER, DISSOLVED	Fresh Acute	4.1	101	0	0.00	17	0	0.00	25	0	0.00	32	0	0.00	27	0	0.00
		Drinking Water	50.	101	0	0.00	17	0	0.00	25	0	0.00	32	0	0.00	27	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	10 &	0	0.00	1	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
		Drinking Water	50.	11	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire BITH Study Area

Parameter	Std. Type	Std. Value	Total		Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----		
			Obs	Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01077 SILVER, TOTAL	Fresh Acute	4.1	20	&	1	0.05	3	0	0.00	5	0	0.00	8	0	0.00	4	1	0.25
	Drinking Water	50.	40		1	0.03	4	0	0.00	7	0	0.00	14	0	0.00	15	1	0.07
01090 ZINC, DISSOLVED	Fresh Acute	120.	113		4	0.04	28	3	0.11	23	0	0.00	35	0	0.00	27	1	0.04
01091 ZINC, SUSPENDED	Fresh Acute	120.	15		0	0.00	3	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	95		5	0.05	17	1	0.06	20	1	0.05	32	3	0.09	26	0	0.00
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	105		0	0.00	18	0	0.00	26	0	0.00	33	0	0.00	28	0	0.00
	Drinking Water	50.	105		0	0.00	18	0	0.00	26	0	0.00	33	0	0.00	28	0	0.00
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	11		0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
	Drinking Water	50.	11		0	0.00	2	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	47		0	0.00	7	0	0.00	8	0	0.00	15	0	0.00	17	0	0.00
	Drinking Water	50.	47		0	0.00	7	0	0.00	8	0	0.00	15	0	0.00	17	0	0.00
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	41		17	0.41	12	5	0.42	8	5	0.63	16	6	0.38	5	1	0.20
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	23		5	0.22	4	2	0.50	4	2	0.50	11	1	0.09	4	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	318	&	68	0.21	78	8	0.10	68	30	0.44	98	19	0.19	74	11	0.15
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	168		15	0.09	21	2	0.10	43	7	0.16	70	6	0.09	34	0	0.00
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2		0	0.00	2	0	0.00									
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	2		0	0.00	2	0	0.00									
	Drinking Water	5.	2		0	0.00	2	0	0.00									
32103 1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	2		0	0.00	2	0	0.00									
	Drinking Water	5.	2		0	0.00	2	0	0.00									
32104 BROMOFORM, WHOLE WATER	Drinking Water	100.	2		0	0.00	2	0	0.00									
32105 DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2		0	0.00	2	0	0.00									
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2		0	0.00	2	0	0.00									
	Drinking Water	100.	2		0	0.00	2	0	0.00									
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	2		0	0.00	2	0	0.00									
	Drinking Water	1000.	2		0	0.00	2	0	0.00									
34205 ACENAPHTHENE, TOTAL	Fresh Acute	1700.	2		0	0.00	2	0	0.00									
34210 ACROLEIN, TOTAL	Fresh Acute	68.	0	&	0	0.00												
34215 ACRYLONITRILE, TOTAL	Fresh Acute	7550.	2		0	0.00	2	0	0.00									
34301 CHLOROBENZENE, TOTAL	Drinking Water	100.	2		0	0.00	2	0	0.00									
34346 1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	2		0	0.00	2	0	0.00									
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	2		0	0.00	2	0	0.00									
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	2		0	0.00	2	0	0.00									
34371 ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2		0	0.00	2	0	0.00									
	Drinking Water	700.	2		0	0.00	2	0	0.00									
34376 FLUORANTHENE, TOTAL	Fresh Acute	3980.	2		0	0.00	2	0	0.00									
34386 HEXACHLOROCYCLOPENTADIENE	Fresh Acute	7.	2		0	0.00	2	0	0.00									
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Drinking Water	50.	2		0	0.00	2	0	0.00									
34396 HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	2		0	0.00	2	0	0.00									
34403 IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0	&	0	0.00												
34408 ISOPHORONE, TOTAL	Fresh Acute	117000.	2		0	0.00	2	0	0.00									
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2		0	0.00	2	0	0.00									
34447 NITROBENZENE, TOTAL	Fresh Acute	27000.	2		0	0.00	2	0	0.00									
34452 PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	2		0	0.00	2	0	0.00									
34475 TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2		0	0.00	2	0	0.00									
	Drinking Water	5.	2		0	0.00	2	0	0.00									
34501 1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2		0	0.00	2	0	0.00									
34506 1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2		0	0.00	2	0	0.00									
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	2		0	0.00	2	0	0.00									
34536 1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	2		0	0.00	2	0	0.00									
34541 1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	2		0	0.00	2	0	0.00									
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	2		0	0.00	2	0	0.00									
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	9.	2		0	0.00	2	0	0.00									
34566 1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	2		0	0.00	2	0	0.00									
34571 1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	2		0	0.00	2	0	0.00									
34586 2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	2		0	0.00	2	0	0.00									
34601 2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	2		0	0.00	2	0	0.00									
34606 2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	2		0	0.00	2	0	0.00									
34611 2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	2		0	0.00	2	0	0.00									
34675 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN, TOT	Fresh Acute	0.01	0	&	0	0.00												
	Drinking Water	0.000	05										0&	0	0.00			
34696 NAPHTHALENE, TOTAL	Fresh Acute	2300.	2		0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire BITH Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----8/15-10/31-----			-----11/01-1/31-----			-----2/01-5/31-----			-----6/01-8/14-----			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	4	0	0.00	2	0	0.00	2	0	0.00						
		Drinking Water	1.	2 &	0	0.00				2	0	0.00						
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	400.	2	0	0.00	2	0	0.00									
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	2	0	0.00	2	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	2	0	0.00									
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	2	0	0.00									
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	2	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	43	0	0.00	14	0	0.00	5	0	0.00	16	0	0.00	8	0	0.00
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	41	0	0.00	14	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
		Drinking Water	0.2	41	0	0.00	14	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	33	0	0.00	10	0	0.00	5	0	0.00	11	0	0.00	7	0	0.00
		Drinking Water	2.	33	0	0.00	10	0	0.00	5	0	0.00	11	0	0.00	7	0	0.00
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	41	0	0.00	12	0	0.00	5	0	0.00	16	0	0.00	8	0	0.00
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	41	0	0.00	12	0	0.00	5	0	0.00	16	0	0.00	8	0	0.00
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	43	0	0.00	14	0	0.00	5	0	0.00	16	0	0.00	8	0	0.00
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	43	0	0.00	14	0	0.00	5	0	0.00	16	0	0.00	8	0	0.00
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	9	0	0.00				4	0	0.00	3	0	0.00	2	0	0.00
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	43	0	0.00	14	0	0.00	5	0	0.00	16	0	0.00	8	0	0.00
		Drinking Water	0.2	43	0	0.00	14	0	0.00	5	0	0.00	16	0	0.00	8	0	0.00
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	21	0	0.00	4	0	0.00	5	0	0.00	7	0	0.00	5	0	0.00
		Drinking Water	3.	21	0	0.00	4	0	0.00	5	0	0.00	7	0	0.00	5	0	0.00
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	45	0	0.00	15	0	0.00	5	0	0.00	16	0	0.00	9	0	0.00
		Drinking Water	0.4	45	0	0.00	15	0	0.00	5	0	0.00	16	0	0.00	9	0	0.00
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	45	0	0.00	15	0	0.00	5	0	0.00	16	0	0.00	9	0	0.00
		Drinking Water	0.2	45	0	0.00	15	0	0.00	5	0	0.00	16	0	0.00	9	0	0.00
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	8	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	30 &	0	0.00	10	0	0.00	5	0	0.00	9	0	0.00	6	0	0.00
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	2 &	0	0.00				2	0	0.00						
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	2	0	0.00	2	0	0.00						
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	2	0	0.00	2	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	42	0	0.00	14	0	0.00	5	0	0.00	15	0	0.00	8	0	0.00
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	41	0	0.00	14	0	0.00	3	0	0.00	16	0	0.00	8	0	0.00
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	0.2	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	56	0	0.00	11	0	0.00	13	0	0.00	23	0	0.00	9	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	110	1	0.01	25	1	0.04	23	0	0.00	34	0	0.00	28	0	0.00
		Drinking Water	2.	110	1	0.01	25	1	0.04	23	0	0.00	34	0	0.00	28	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	13	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	2.	13	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00	2	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	93	2	0.02	14	1	0.07	20	0	0.00	32	0	0.00	27	1	0.04
		Drinking Water	2.	93	2	0.02	14	1	0.07	20	0	0.00	32	0	0.00	27	1	0.04
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

**NPS Servicewide Inventory and Monitoring Program Level I
Water Quality Parameter Inventory Data Evaluation and Analysis:
Missing Level I Groups**

There are STORET Data for Every Level I I&M Parameter Group Within
the BITH Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the BITH Study Area Exist for These Groups:

		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
Alkalinity						
00410	ALKALINITY, TOTAL (MG/L AS CaCO ₃)	1015	242	363	410	14
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77	0	77	0	4
00440	BICARBONATE ION (MG/L AS HCO ₃)	558	2	86	470	5
00445	CARBONATE ION (MG/L AS CO ₃)	410	2	86	322	4
		2060	246	612	1202	27 (15) ¹
pH						
00400	PH (STANDARD UNITS)	1663	406	565	692	20
00403	PH, LAB (STANDARD UNITS)	477	127	176	174	11
		2140	533	741	866	31 (20) ¹
Conductivity						
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	799	300	381	118	15
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1250	176	373	701	13
00480	SALINITY - PARTS PER THOUSAND	107	33	74	0	1
		2156	509	828	819	29 (20) ¹
Dissolved Oxygen						
00300	OXYGEN, DISSOLVED (MG/L)	1321	409	570	342	18
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	259	0	158	101	3
		1580	409	728	443	21 (18) ¹
Water Temperature						
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1555	462	641	452	19
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	675	49	386	240	7
		2230	511	1027	692	26 (19) ¹
Flow						
00060	FLOW, STREAM, MEAN DAILY CFS	407	0	0	407	3
00061	FLOW, STREAM, INSTANTANEOUS CFS	609	203	303	103	9
00065	STAGE, STREAM (FEET)	110	63	47	0	2
74069	FLOW, ESTIMATED STREAM, CFS	1	0	1	0	1
		1127	266	351	510	15 (10) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	399	0	154	245	6
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	148	94	54	0	2
00077	TRANSPARENCY, SECCHI DISC (INCHES)	164	65	99	0	6
00078	TRANSPARENCY, SECCHI DISC (METERS)	49	15	23	11	4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	406	88	210	108	10
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1	1	0	0	1
		1167	263	540	364	29 (11) ¹
Nitrate/Nitrogen		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	81	0	69	12	2
00602	NITROGEN, DISSOLVED (MG/L AS N)	13	0	13	0	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	103	0	69	34	3
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	13	0	13	0	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	145	94	51	0	2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	575	178	267	130	12
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	116	0	0	116	2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	554	86	246	222	12
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	28	2	26	0	2
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	395	150	229	16	10
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	229	68	149	12	6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	145	94	51	0	2
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	13	0	13	0	2
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	21	0	21	0	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	327	0	0	327	3
		2758	672	1217	869	61 (14) ¹
Phosphate/Phosphorus		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	348	14	193	141	8
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	283	14	205	64	8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	624	187	304	133	12
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	157	92	65	0	2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	477	179	234	64	11
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	30	30	0	0	3
		1919	516	1001	402	44 (12) ¹
Chlorophyll		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	260	81	140	39	8
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	4	0	3	1	1
32230	CHLOROPHYLL A (MG/L)	22	0	10	12	2
		286	81	153	52	11 (11) ¹
Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	606	6	129	471	6
00945	SULFATE, TOTAL (MG/L AS SO4)	1217	241	358	618	15
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	304	139	135	30	12
		2127	386	622	1119	33 (15) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Bacteria		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDOMED, 35C	41	0	28	13	6
31505	COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	23	0	0	23	4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	319	103	181	35	11
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	168	95	73	0	2
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	168	95	73	0	2
		719	293	355	71	25 (11) [†]

[†]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01097	ANTIMONY, TOTAL (UG/L AS SB)	2	0	2	0	2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	115	54	41	20	4
01001	ARSENIC, SUSPENDED (UG/L AS AS)	12	0	12	0	1
01002	ARSENIC, TOTAL (UG/L AS AS)	97	6	78	13	13
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	72	54	18	0	3
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2	0	2	0	2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	115	54	41	20	4
01026	CADMIUM, SUSPENDED (UG/L AS CD)	9	0	9	0	1
01027	CADMIUM, TOTAL (UG/L AS CD)	97	6	78	13	13
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	114	54	41	19	4
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	11	0	11	0	1
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	1	0	0	1	1
01034	CHROMIUM, TOTAL (UG/L AS CR)	97	6	78	13	13
01040	COPPER, DISSOLVED (UG/L AS CU)	118	54	41	23	4
01041	COPPER, SUSPENDED (UG/L AS CU)	15	0	15	0	1
01042	COPPER, TOTAL (UG/L AS CU)	47	6	37	4	13
01049	LEAD, DISSOLVED (UG/L AS PB)	114	54	41	19	4
01050	LEAD, SUSPENDED (UG/L AS PB)	14	0	14	0	1
01051	LEAD, TOTAL (UG/L AS PB)	97	6	78	13	13
71890	MERCURY, DISSOLVED (UG/L AS HG)	110	54	41	15	4
71895	MERCURY, SUSPENDED (UG/L AS HG)	13	0	13	0	1
71900	MERCURY, TOTAL (UG/L AS HG)	95	6	76	13	13
01065	NICKEL, DISSOLVED (UG/L AS NI)	115	63	34	18	4
01066	NICKEL, SUSPENDED (UG/L AS NI)	8	0	8	0	1
01067	NICKEL, TOTAL (UG/L AS NI)	37	6	28	3	13
01145	SELENIUM, DISSOLVED (UG/L AS SE)	105	63	41	1	3
01146	SELENIUM, SUSPENDED (UG/L AS SE)	11	0	11	0	1
01147	SELENIUM, TOTAL (UG/L AS SE)	47	6	37	4	13
01075	SILVER, DISSOLVED (UG/L AS AG)	101	63	38	0	3
01076	SILVER, SUSPENDED (UG/L AS AG)	11	0	11	0	1
01077	SILVER, TOTAL (UG/L AS AG)	42	6	33	3	13
01059	THALLIUM, TOTAL (UG/L AS TL)	2	0	2	0	2
01090	ZINC, DISSOLVED (UG/L AS ZN)	116	54	41	21	4
01091	ZINC, SUSPENDED (UG/L ZN)	15	0	15	0	1
01092	ZINC, TOTAL (UG/L AS ZN)	95	6	78	11	13
00720	CYANIDE, TOTAL (MG/L AS CN)	2	0	2	0	2
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	2	0	2	0	2
34210	ACROLEIN, TOTAL (UG/L)	2	0	2	0	2
34215	ACRYLONITRILE, TOTAL (UG/L)	2	0	2	0	2
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	2	0	2	0	2
32104	BROMOFORM, WHOLE WATER, (UG/L)	2	0	2	0	2
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	2	0	2	0	2
34301	CHLOROBENZENE, TOTAL (UG/L)	2	0	2	0	2
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	2	0	2	0	2
34311	CHLOROETHANE, TOTAL (UG/L)	2	0	2	0	2
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	2	0	2	0	2
32106	CHLOROFORM, WHOLE WATER (UG/L)	2	0	2	0	2
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	2	0	2	0	2
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	2	0	2	0	2
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	2	0	2	0	2
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	2	0	2	0	2
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	2	0	2	0	2
34371	ETHYLBENZENE, TOTAL (UG/L)	2	0	2	0	2
34413	METHYL BROMIDE, TOTAL (UG/L)	2	0	2	0	2
34418	METHYL CHLORIDE, TOTAL (UG/L)	2	0	2	0	2

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	2	0	2	0	2
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	2	0	2	0	2
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	2	0	2	0	2
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	2	0	2	0	2
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	2	0	2	0	2
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	2	0	2	0	2
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	2	0	2	0	2
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
34586	2-CHLOROPHENOL, TOTAL (UG/L)	2	0	2	0	2
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	2	0	2	0	2
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	2	0	2	0	2
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	2	0	2	0	2
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	2	0	2	0	2
34591	2-NITROPHENOL, TOTAL (UG/L)	2	0	2	0	2
34646	4-NITROPHENOL, TOTAL (UG/L)	2	0	2	0	2
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	2	0	2	0	2
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	4	2	2	0	4
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	2	0	2	0	2
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	2	0	2	0	2
34205	ACENAPHTHENE, TOTAL (UG/L)	2	0	2	0	2
34200	ACENAPHTHYLENE, TOTAL (UG/L)	2	0	2	0	2
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	2	0	2	0	2
34247	BENZO-A-PYRENE, TOTAL (UG/L)	2	0	2	0	2
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	2	0	2	0	2
34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	2	0	2	0	2
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	2	0	2	0	2
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	2	0	2	0	2
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	2	0	2	0	2
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	2	0	2	0	2
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	2	0	2	0	2
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	2	0	2	0	2
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	2	0	2	0	2
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	2	0	2	0	2
34320	CHRYSENE, TOTAL (UG/L)	2	0	2	0	2
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	2	0	2	0	2
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	2	0	2	0	2
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	2	0	2	0	2
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	2	0	2	0	2
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	2	0	2	0	2
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	2	0	2	0	2
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	2	0	2	0	2
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	2	0	2	0	2
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	2	0	2	0	2
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	2	0	2	0	2
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	2	0	2	0	2
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	2	0	2	0	2
34376	FLUORANTHENE, TOTAL (UG/L)	2	0	2	0	2
34381	FLUORENE, TOTAL (UG/L)	2	0	2	0	2
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	4	2	2	0	4
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	2	0	2	0	2
34396	HEXACHLOROETHANE, TOTAL (UG/L)	2	0	2	0	2
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	2	0	2	0	2

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 06/16/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34408	ISOPHORONE, TOTAL (UG/L)	2	0	2	0	2
34696	NAPHTHALENE, TOTAL (UG/L)	2	0	2	0	2
34447	NITROBENZENE, TOTAL (UG/L)	2	0	2	0	2
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	2	0	2	0	2
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	2	0	2	0	2
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	2	0	2	0	2
34469	PYRENE, TOTAL (UG/L)	2	0	2	0	2
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	2	0	2	0	2
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	0	2	0	2
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	0	2	0	2
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	41	0	12	29	4
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	5	2	1	2	3
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	2	0	2	0	2
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	33	2	10	21	4
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	41	2	10	29	4
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	41	2	10	29	4
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	2	0	2	0	2
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	2	0	2	0	2
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	2	0	2	0	2
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	43	2	12	29	6
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	45	2	13	30	6
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	45	2	13	30	6
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	0	2	0	2
34671	PCB - 1016, TOTAL (UG/L)	2	0	2	0	2
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	21	2	10	9	4
		2718	707	1469	542	449 (15) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	2060	246	11.9	15	36.6	137.3	10/11/59-06/16/93	61.2
pH	2140	533	24.9	20	48.8	107.0	10/11/59-06/16/93	63.5
Conductivity	2156	509	23.6	20	48.8	107.8	10/01/59-06/16/93	64.0
Dissolved Oxygen	1580	409	25.9	18	43.9	87.8	02/28/68-06/16/93	62.4
Water Temperature	2230	511	22.9	19	46.3	117.4	10/05/60-06/16/93	68.2
Flow	1127	266	23.6	10	24.4	112.7	10/01/59-06/16/93	33.4
Clarity/Turbidity	1167	263	22.5	11	26.8	106.1	03/07/68-06/16/93	46.2
Nitrate/Nitrogen	2758	672	24.4	14	34.1	197.0	10/11/59-06/16/93	81.9
Phosphate/Phosphorus	1919	516	26.9	12	29.3	159.9	01/13/66-06/16/93	70.0
Chlorophyll	286	81	28.3	11	26.8	26.0	02/25/72-06/16/93	13.4
Sulfates/Total Dissolved Solids/Hardness	2127	386	18.1	15	36.6	141.8	10/11/59-06/16/93	63.1
Bacteria	719	293	40.8	11	26.8	65.4	02/28/72-06/16/93	33.8
Toxic Elements	2718	707	26.0	15	36.6	181.2	04/01/66-01/19/93	101.4

Water Quality Observations
Outside STORET Edit Criteria for BITH
(Disposition: X = Discarded, Blank = Retained)

<u>NPS Station ID</u>	<u>Parameter</u>	<u>Date</u>	<u>Time</u>	<u>Parameter Value</u>	<u>Agency</u>	<u>STORET Station ID</u>	<u>Disposition</u>
BITH0033	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	651201		6700.0000000	112WRD	08041000	x
BITH0038	71900 MERCURY, TOTAL (UG/L AS HG)	770803	1800	20.0000000	21TEXWR	06020200	x

APPENDICES

Appendix A
Computer Files Transmitted With
Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where *COMPRESS.ZIP* is the name of one of the seven compressed (ZIP) files listed below and *FILENAME.EXT* is the name of the file you wish to extract. If you want to decompress all of the files in *COMPRESS.ZIP*, simply omit the *FILENAME.EXT*. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where *COMPRESS.ZIP* is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for *FILENAME.EXT* in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) BITH TABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

- | | | |
|------------------|---|--|
| (a) BITHSITE.DOC | - | Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases. |
| (b) BITHAGNC.DOC | - | Contacts for agencies whose data were retrieved within the study area. |
| (c) BITHAGNQ.DOC | - | Number of stations, observations, and parameters retrieved by agency code within the study area and park. |

- (d) BITHOV0.DOC - Overview of park and retrieved data.
- (e) BITHOV1.DOC - Station period of record table.
- (f) BITHOV2.DOC - Parameter period of record table.
- (g) BITHOV3.DOC - Station/parameter period of record table.
- (h) BITHINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.
- (i) BITHSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.
- (j) BITHEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.
- (k) BITHIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.
- (l) BITHBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document BITHOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\BITHOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) BITHFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station BITH0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station BITH0001) is in the subdirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) BITHPARM.ZIP

This file compresses BITHPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) BITHSITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

- (a) BITHWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.
- (b) BITHIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.
- (c) BITHDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.
- (d) BITHGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.
- (e) BITHDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database. (Not implemented in BITH report.)

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) BITHMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

- (a) BITHEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.
- (b) BITHTOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.
- (c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.
- (d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.
- (e) BITHREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.
- (f) BITHWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (BITHWQA, BITHWQB,

BITHWQC, etc.) and the index map name will end with an ampersand (&).

- (g) BITHIDG
 - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (BITHIDGA, BITHIDGB, BITHIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.
- (h) BITHSEHY
 - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with BITHFIGS.ZIP and BITH TABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in BITHMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) BITHRF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

- (a) 12345678.RF3
 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (b) 12345678.DBF
 - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (c) 12345678.TRC
 - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.
- (d) 12345678.CUB
 - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) BITHWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: BITHPARM.DBF in BITHPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: BITHPARM.DBF in BITHPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				\$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: BITHPARM.DBF in BITHPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				\$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: BITHWQ.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: BITHWQ.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: BITHIFD.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: BITHIFD.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: BITHIFD.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Drinking Water Intakes File: BITHDRIN.DBF in BITHSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: BITHDRIN.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

<u>Drinking Water Intakes File: BITHDRIN.DBF in BITHSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: BITHGAGE.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

Water Gage File: BITHGAGE.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFE	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: BITHDAMS.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: BITHDAMS.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: BITHDAMS.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: BITHDAMS.DBF in BITHSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in BITHRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in BITHRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LL1KEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in BITHRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in BITHRF3.ZIP				
Field Name	Start	Stop	Length	Field Description
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCDC2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCDC3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

<u>RF3 Trace File: 12345678.TRC in BITHRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) Catalog Unit Boundary File. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

<u>Catalog Unit Boundary File: 12345678.CUB in BITHRF3.ZIP</u>
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

<u>Encyclopedia File: WRD File For Internal Use Only</u>				
Field Name	Start	Stop	Length	Field Description
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CaCO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CaCO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CaCO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS Ca)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CaCO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT, MEMBR FILTER, DELAYED, M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT, MEMBR FILTER, IMMED, LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI, PLATE COUNT M-ENTER AGAR, 35C, 48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE), WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C, DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE, RECREATIONAL SUITABILITY @ SMPL TIME, 1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY, ACUTE 24HR (STATIC) CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT ERROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVL P
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary¹

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50 ¹	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50 ¹	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250 ⁵			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0 ^a	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0 ^a	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0 [#]	PH	SU	Physical
	00403				≤6.5, ≥9.0 [#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0 [#]	PH, FIELD	SU	Physical

¹Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200 ^m	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE, IN WATER & WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250 ^s			CHLORIDE, TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250 ^s			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250 ^s			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250 ^s			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDEED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDEED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDEED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130 ⁺	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9 ⁺	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9 ⁺	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9 ⁺	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700 ⁺	100	10300 ⁺		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18 ⁺	1300 ^a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18 ⁺	1300 ^a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18 ⁺	1300 ^a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82 ⁺	15 ^a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82 ⁺	15 ^a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82 ⁺	15 ^a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400 ⁺	2.0	2130 ⁺		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400 ⁺	2.0	2130 ⁺		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400 ⁺	2.0	2130 ⁺		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400 ⁺	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400 ⁺	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400 ⁺	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400 ⁺	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1 ⁺	100 ^s	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1 ⁺	100 ^s	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018 ⁺	1.3 ^a	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120 ⁺	5000 ^s	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120 ⁺	5000 ^s	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120 ⁺	5000 ^s	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120 ⁺	5000 ^s	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88 ^p	6.0	1500 ^p		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88 ^p	6.0	1500 ^p		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88 ^p	6.0	1500 ^p		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9 ⁺	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82 ⁺	15 ^a	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18 ⁺	1300 ^a	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400 [*]	2.0	2130 [*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400 [*]	2.0	2130 [*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88 ^p	6.0	1500 ^p		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120 ⁺	5.0 ^s	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041 ⁺	0.1 ^s	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018 ⁺	1.3 ^a	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13 ⁺	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039 ⁺	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7 ⁺	0.1	10.3 ⁺		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082 ⁺	0.015 ^a	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4 ⁺	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4 ⁺	0.002	2.13 ⁺		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020 ^e			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1 ⁺	100 ^s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20 ^r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000 ^r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000 ^r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000 ^r			TRITIUM, SUSPENDE	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDE	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0 ^r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0 ^r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0 ^r			STRONTIUM 90, SUSPENDE	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT, DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20°			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20°			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20°			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020°			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20°			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200 [^]	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200 [^]	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200 [^]	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200 [^]	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126 [^]	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33 [^]	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100 ^l			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100 ^l			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100 ^l			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100 ^l			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100 ^l			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100 ^l			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100 ^l			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100 ^l			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1 ^l			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100 ⁱ			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100 ⁱ			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100 ⁱ			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100 ⁱ			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100 ⁱ			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900*	100 ⁱ			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900*	100 ⁱ			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100 ⁱ			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100 ⁱ			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270*				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270*				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270*				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0 ^p	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0 ^p	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40 ^c			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40 ^c			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40 ^c			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30 ^p		7.7 ^p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30 ^p		7.7 ^p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30 ^p		7.7 ^p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0 ^P	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0 ^P	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90 [*]		32 [*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9 ⁺	5.0	43		CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18 ⁺	1300 ^a	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82 ⁺	15 ^a	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1 ⁺	100 ^s	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3, LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWN AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
16887006	70352	860	250 ^s			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY, TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9 ⁺	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82 ⁺	15 ^a	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18 ⁺	1300 ^a	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700 [*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100 ^P		240 ^P		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440 [*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250 ^b			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20 ^c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18 ⁺	1300 ^a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400 ⁺	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440666	81754	120 ⁺	5000 ^s	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000 [*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120 ⁺	5000 ^s	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82 ⁺	15 ^a	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9 ⁺	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50 ^l	TURBIDITY, FIELD	NTU	Physical
	82079				50 ^l	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000 ^s			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

*Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

†Hardness Dependent Criteria (100 mg/L CaCO₃ Used).

***pH Dependent Criteria (7.8 pH Used).

‡Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

^Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

#EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

!Arizona state standard.

ªEPA action level, 40 CFR 141.80.

ºCalifornia and Florida state bathing water standards.

«A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

ªTotal coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

ªProposed Criterion.

ªAverage annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

ªEPA National Secondary Drinking Water Regulation, 40 CFR 143.

ªThe maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

ªColdwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program "Level I" Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	Flow Parameter Group¹	C.A.S. Number
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

¹Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μ EQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CaCO_3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CaCO_3)	471341
00435	ACIDITY, TOTAL (MG/L AS CaCO_3)	471341
00440	BICARBONATE ION (MG/L AS HCO_3)	71523
00445	CARBONATE ION (MG/L AS CO_3)	3812326
STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONIZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH_4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH_4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO_3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO_3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO_2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO_2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140
STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-
STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00969	CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM, TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYL VINYL ETHER, WATER, WHL, RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROQUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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